

10	20	30	40	50	60	70
CCCTCAGCCC	TGCTGCCCAG	CACGAGCCTG	TGCTCGCCCT	GCCCAACGCA	GACAGCCAGA	CCCAGGGCGG
80	90	100	110	120	130	140
CCCCTCTGGC	GGCTCTGCTC	CTCCCCGAAGG	ATGCTTGGGG	AGTGAGGCGA	AGCTGGGGCGC	TCCTCTCCCC
150	160	170	180	190	200	210
TACAGCAGCC	CCCTTCCTCC	ATCCCTCTGT	TCTCCTGAGC	CTTCAGGAGC	CTGCACCAGT	CCTGCCTGTC
220	230	240	250	260	270	280
CTTCTACTCA	GCTGTTACCC	ACTCTGGGAC	CAGCAGTCTT	TCTGATAACT	GGGAGAGGGC	AGTAAGGAGG
290	300	310	320	330	340	350
ACTTCCTGGA	GGGGGTGACT	GTCCAGAGCC	TGGAACTGTG	CCCACACCAG	AAGCCATCAG	CAGCAAGGAC
359	368	377	386	395	404	
ACC ATG CCG CTT CCG	GGT GCG ATG CCA GCT CTG	GCC CTC AAA GGC GAG CTG CTG				17
M R L P G A M P A L A L K G E L L						
413	422	431	440	449	458	
TTG CTG TCT-CTC CTG	TTA CTT CTG GAA CCA CAG ATC TCT CAG	GGC CTG GTC GTC				35
L L S L L L L E P Q I S Q G L V V						
467	476	485	494	503	512	
ACA CCC CCG GGG CCA	GAG CTT GTC CTC AAT GTC	TCC AGC ACC TTC GTT CTG ACC				53
T P P G P E L V L N V S S T F V L T						
521	530	539	548	557	566	
TGC TCG GGT TCA GCT	CCG GTG GTG TGG GAA CGG	ATG TCC CAG	557 GAG CCC CCA	566 CAG		71
C S G S A P V V W E R M S Q E P P Q						
575	584	593	602	611	620	
GAA ATG GCC AAG GCC	CAG GAT GGC ACC TTC TCC	AGC GTG CTC ACA CTG ACC AAC				89
E M A K A Q D G T F S S V L T L T N						
629	638	647	656	665	674	
CTC ACT GGG CTA GAC	ACG GGA GAA TAC TTT TGC	ACC CAC AAT GAC TCC CGT GGA				107
L T G L D T G E Y F C T H N D S R G						
683	692	701	710	719	728	
CTG GAG ACC GAT GAG	CGG AAA CGG CTC TAC ATC	TTT GTG CCA GAT CCC ACC GTG				125
L E T D E R K R L Y I F V P D P T V						
737	746	755	764	773	782	
GGC TTC CTC CCT AAT	GAT GCC GAG GAA CTA TTC	ATC TTT CTC	773 ACG GAA ATA ACT			143
S F L P N D A E E L F I F L T E I T						
791	800	809	818	827	836	
GAG ATC ACC ATT CCA	TGC CGA GTA ACA GAC CCA	CAG CTG GTG GTG ACA CTG CAC				161
E I T I P C R V T D P Q L V V T L H						
845	854	863	872	881	890	
GAG AAG AAA GGG GAC	GTT GCA CTG CCT GTC CCC	TAT GAT CAC CAA CGT GGC TTT				179
E K K G D V A L P V P Y D H Q R G F						
899	908	917	926	935	944	
PCT GGT ATC TTT GAG	GAC AGA AGC TAC ATC TGC	926 AAA ACC ACC	935 ATT GGG GAC	944 AGG		197
S G I F E D R S Y I C K T T I G D R						

[illegible]



1763										1772										1781										1790										1799										1808									
AAC	AGT	TCC	GAA	GAG	GAG	AGC	CAG	CTG	GAG	ACT	AAC	GTG	ACG	TAC	TGG	GAG	GAG	N	S	S	E	E	E	S	Q	L	E	T	N	V	T	Y	W	E	E																								
1817										1826										1835										1844										1853										1862									
GAG	CAG	GAG	TTT	GAG	GTG	GTG	AGC	ACA	CTG	CGT	CTG	CAG	CAC	GTG	GAT	CGG	CCA	E	Q	E	F	E	V	V	S	T	L	R	L	Q	H	V	D	R	P																								
1871										1880										1889										1898										1907										1916									
CTG	TCG	GTG	CGC	TGC	ACG	CTG	CGC	AAC	GCT	GTG	GGC	CAG	GAC	ACG	CAG	GAG	GTC	L	S	V	R	C	T	L	R	N	A	V	G	Q	D	T	Q	E	V																								
1925										1934										1943										1952										1961										1970									
ATC	GTG	GTG	CCA	CAC	TCC	TTG	CCC	TTT	AAG	GTG	GTG	GTG	ATC	TCA	GCC	ATC	CTG	I	V	V	P	H	S	L	P	F	K	V	V	V	I	S	A	I	L																								
1979										1988										1997										2006										2015										2024									
GCC	CTG	GTG	GTG	CTC	ACC	ATC	ATC	TCC	CTT	ATC	ATC	CTC	ATC	ATG	CTT	TGG	CAG	A	L	V	V	L	T	I	I	S	L	I	I	L	I	M	L	W	Q																								
2033										2042										2051										2060										2069										2078									
AAG	AAG	CCA	CGT	TAC	GAG	ATC	CGA	TGG	AAG	GTG	ATT	GAG	TCT	GTG	AGC	TCT	GAC	K	K	P	R	Y	E	I	R	W	K	V	I	E	S	V	S	S	D																								
2087										2096										2105										2114										2123										2132									
GGC	CAT	GAG	TAC	ATC	TAC	GTG	GAC	CCC	ATG	CAG	CTG	CCC	TAT	GAC	TCC	ACG	TGG	G	H	E	Y	I	Y	V	D	P	M	Q	L	P	Y	D	S	T	W																								
2141										2150										2159										2168										2177										2186									
GAG	CTG	CCG	CGG	GAC	CAG	CTT	GTG	CTG	GGA	CGC	ACC	CTC	GGC	TCT	GGG	GCC	TTT	E	L	P	R	D	Q	L	V	L	G	R	T	L	G	S	G	A	F																								
2195										2204										2213										2222										2231										2240									
GGG	CAG	GTG	GTG	GAG	GCC	ACG	GCT	CAT	GGC	CTG	AGC	CAT	TCT	CAG	GCC	ACG	ATG	S	Q	V	V	E	A	T	A	H	G	L	S	H	S	Q	A	T	M																								
2249										2258										2267										2276										2285										2294									
AAA	GTG	GCC	GTC	AAG	ATG	CTT	AAA	TCC	ACA	GCC	CGC	AGC	AGT	GAG	AAG	CAA	GCC	K	V	A	V	K	M	L	K	S	T	A	R	S	S	E	K	Q	A																								
2303										2312										2321										2330										2339										2348									
TTT	ATG	TCG	GAG	CTG	AAG	ATC	ATG	AGT	CAC	CTT	GGG	CCC	CAC	CTG	AAC	GTG	GTC	L	M	S	E	L	K	I	M	S	H	L	G	P	H	L	N	V	V																								
2357										2366										2375										2384										2393										2402									
AAC	CTG	TTG	GGG	GCC	TGC	ACC	AAA	GGA	GGA	CCC	ATC	TAT	ATC	ATC	ACT	GAG	TAC	I	L	L	G	A	C	T	K	G	G	P	I	Y	I	I	T	E	Y																								
2411										2420										2429										2438										2447										2456									
CGC	CGC	TAC	GGA	GAC	CTG	GTG	GAC	TAC	CTG	CAC	CGC	AAC	AAA	CAC	ACC	TTC	CTG	R	Y	G	D	L	V	D	Y	L	H	R	N	K	H	T	F	L																									
2465										2474										2483										2492										2501										2510									
GAG																																																											

2573 2582 2591 2600 2609 2618  
 GGT GGC TAC ATG GAC ATG AGC AAG GAC GAG TCG GTG GAC TAT GTG CCC ATG CTG  
 G G Y M D M S K D E S V D Y V P M L 755

2627 2636 2645 2654 2663 2672  
 GAC ATG AAA GGA GAC GTC AAA TAT GCA GAC ATC GAG TCC TCC AAC TAC ATG GCC  
 D M K G D V K Y A D I E S S N Y M A 773

2681 2690 2699 2708 2717 2726  
 CCT TAC GAT AAC TAC GTT CCC TCT GCC CCT GAG AGG ACC TGC CGA GCA ACT TTG  
 P Y D N Y V P S A P E R T C R A T L 791

2735 2744 2753 2762 2771 2780  
 ATC AAC GAG TCT CCA GTG CTA AGC TAC ATG GAC CTC GTG GGC TTC AGC TAC CAG  
 I N E S P V L S Y M D L V G F S Y Q 809

2789 2798 2807 2816 2825 2834  
 GTG GCC AAT GGC ATG GAG TTT CTG GCC TCC AAG AAC TGC GTC CAC AGA GAC CTG  
 V A N G M E F L A S K N C V H R D L 827

2843 2852 2861 2870 2879 2888  
 GCG GCT AGG AAC GTG CTC ATC TGT GAA GGC AAG CTG GTC AAG ATC TGT GAC TTT  
 A A R N V L I C E G K L V K I C D F 845

2897 2906 2915 2924 2933 2942  
 GGC CTG GCT CGA GAC ATC ATG CGG GAC TCG AAT TAC ATC TCC AAA GGC AGC ACC  
 G L A R D I M R D S N Y I S K G S T 863

2951 2960 2969 2978 2987 2996  
 ITT TTG CCT TTA AAG TGG ATG GCT CCG GAG AGC ATC TTC AAC AGC CTC TAC ACC  
 F L P L K W M A P E S I F N S L Y T 881

3005 3014 3023 3032 3041 3050  
 ACC CTG AGC GAC GTG TGG TCC TTC GGG ATC CTG CTC TGG GAG ATC TTC ACC TTG  
 T L S D V W S F G I L L W E I F T L 899

3059 3068 3077 3086 3095 3104  
 TGT GGC ACC CCT TAC CCA GAG CTG CCC ATG AAC GAG CAG TTC TAC AAT GCC ATC  
 T G T P Y P E L P M N E Q F Y N A I 917

3113 3122 3131 3140 3149 3158  
 AAA CGG GGT TAC CGC ATG GCC CAG CCT GCC CAT GCC TCC GAC GAG ATC TAT GAG  
 K R G Y R M A Q P A H A S D E I Y E 935

3167 3176 3185 3194 3203 3212  
 ATC ATG CAG AAG TGC TGG GAA GAG AAG TTT GAG ATT CGG CCC CCC TTC TCC CAG  
 I M Q K C W E E K F E I R P P F S Q 953

3221 3230 3239 3248 3257 3266  
 TTG GTG CTG CTT CTC GAG AGA CTG TTG GGC GAA GGT TAC AAA AAG AAG TAC CAG  
 V L L L E R L L G E G Y K K K Y Q 971

3275 3284 3293 3302 3311 3320  
 TAC GTG GAT GAG GAG TTT CTG AGG AGT GAC CAC CCA GCC ATC CTT CGG TCC CAG  
 V D E E F L R S D H P A I L R S Q 989

3329 3338 3347 3356 3365 3374  
 ACC CGC TTG CCT GGG TTC CAT GGC CTC CGA TCT CCC CTG GAC ACC AGC TCC GTC  
 R L P G F H G L R S P L D T S S V 1007

00580400 112697

3383	3392	3401	3410	3419	3428
CTC TAT ACT GCC GTG CAG CCC AAT GAG GGT GAC AAC GAC TAT ATC CCC CTG					
L Y T A V Q P N E G D N D Y I I P L					1025
3437	3446	3455	3464	3473	3482
CCT GAC CCC AAA CCC GAG GTT GCT GAC GAG GGC CCA CTG GAG GGT TCC CCC AGC					
P D P K P E V A D E G P L E G S P S					1043
3491	3500	3509	3518	3527	3536
CTA GCC AGC TCC ACC CTG AAT GAA GTC AAC ACC TCC TCA ACC ATC TCC TGT GAC					
L A S S T L N E V N T S S T I S C D					1061
3545	3554	3563	3572	3581	3590
AGC CCC CTG GAG CCC CAG GAC GAA CCA GAG CCA GAG CCC CAG CTT GAG CTC CAG					
S P L E P Q D E P E P E P Q L E L Q					1079
3599	3608	3617	3626	3635	3644
GTG GAG CCG GAG CCA GAG CTG GAA CAG TTG CCG GAT TCG GGG TGC CCT GCG CCT					
V E P E P E L E Q L P D S G C P A P					1097
3653	3662	3671	3684	3694	3704
CGG GCG GAA GCA GAG GAT AGC TTC CTG TAG GGGGCTGGCC CCTACCCTGC CCTGCCTGAA					
R A E A E D S F L .					1106
3714	3724	3734	3744	3754	3764
GCTCCCCCCC TGCCAGCACC CAGCATCTCC TGGCCTGGCC TGACCGGGCT TCCTGTCAGC CAGGCTGCCC					
3784	3794	3804	3814	3824	3834
TTATCAGCTG TCCCCTTCTG GAAGCTTTCT GCTCCTGACG TGTTGTGCCC CAAACCCTGG GGCTGGCTTA					
3854	3864	3874	3884	3894	3904
GGAGGCAAGA AAACTGCAGG GGCCGTGACC AGCCCTCTGC CTCCAGGGAG GCCAACTGAC TCTGAGCCAG					
3924	3934	3944	3954	3964	3974
GGTTCCCCCA GGGAACTCAG TTTTCCATA TGTAAGATGG GAAAGTTAGG CTTGATGACC CAGAATCTAG					
3994	4004	4014	4024	4034	4044
GATTCTCTCC CTGGCTGACA GGTGGGGAGA CCGAATCCCT CCCTGGGAAG ATTCTTGGAG TTACTGAGGT					
4064	4074	4084	4094	4104	4114
GGTAAATTAA CTTTTTTCTG TTCAGCCAGC TACCCCTCAA GGAATCATAG CTCTCTCCTC GCACTTTTTA					
4134	4144	4154	4164	4174	4184
TCCACCCAGG AGCTAGGGAA GAGACCCTAG CCTCCCTGGC TGCTGGCTGA GCTAGGGCCT AGCCTTGAGC					
4204	4214	4224	4234	4244	4254
AGTGTGCGCT CATCCAGAAG AAAGCCAGTC TCCTCCCTAT GATGCCAGTC CCTGCGTTCC CTGGCCCCGAG					
4274	4284	4294	4304	4314	4324
CTGGTCTGGG GCCATTAGGC AGCCTAATTA ATGCTGGAGG CTGAGCCAAG TACAGGACAC CCCCAGCCTG					
4344	4354	4364	4374	4384	4394
CAGCCCTTGC CCAGGGCACT TGGAGCACAC GCAGCCATAG CAAGTGCCTG TGTCCCTGTC CTTCAGGCCC					
4414	4424	4434	4444	4454	4464
ATCAGTCTCTG GGGCTTTTTT TTTATCACCC TCAGTCTTAA TCCATCCACC AGAGTCTAGA AGGCCAGACG					
4484	4494	4504	4514	4524	4534
GGCCCCGCAT CTGTGATGAG AATGTAAATG TGCCAGTGTG GAGTGGCCAC GTGTGTGTGC CAGTATATGG					

[illegible]

Figure 2

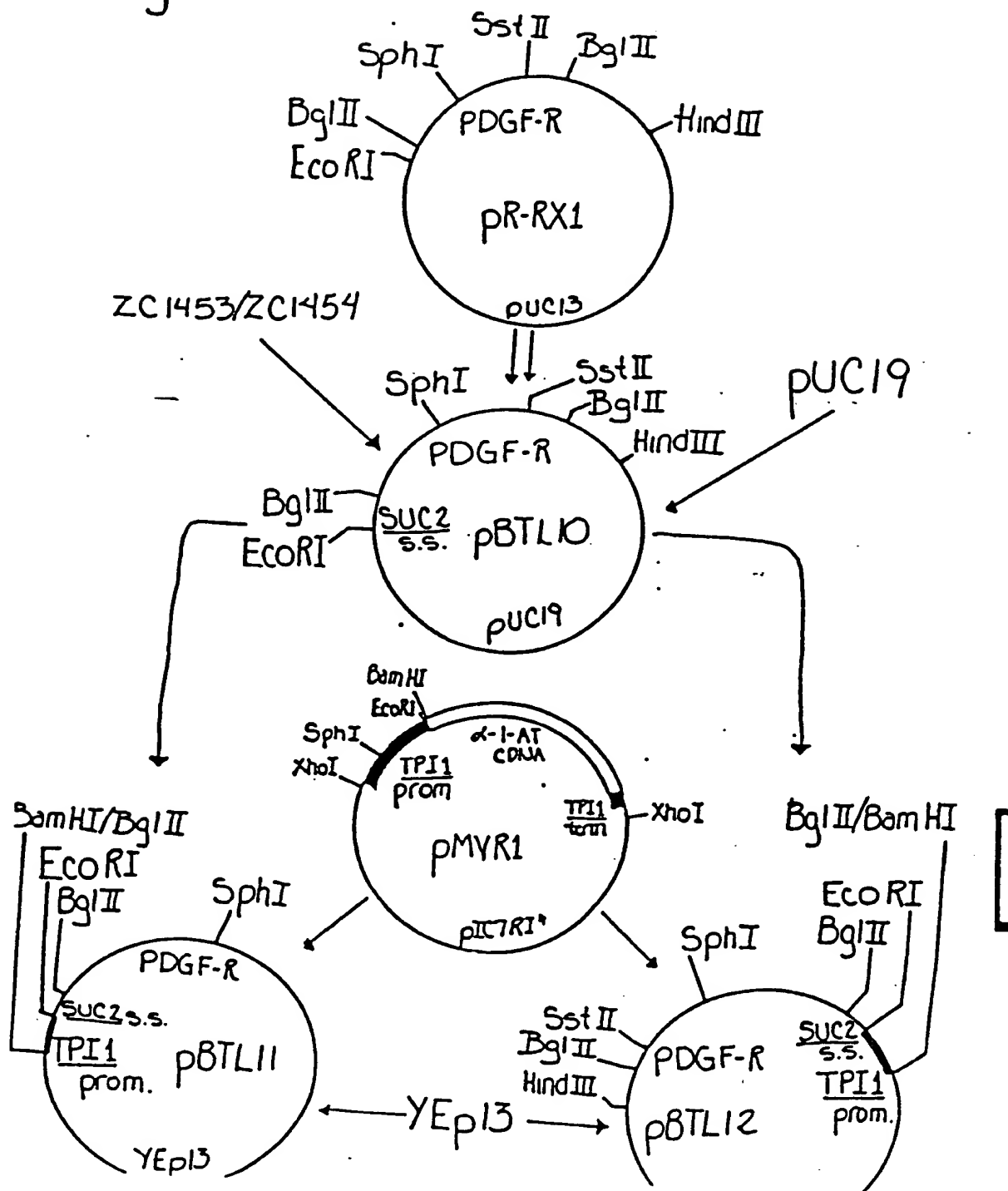


Figure 3.

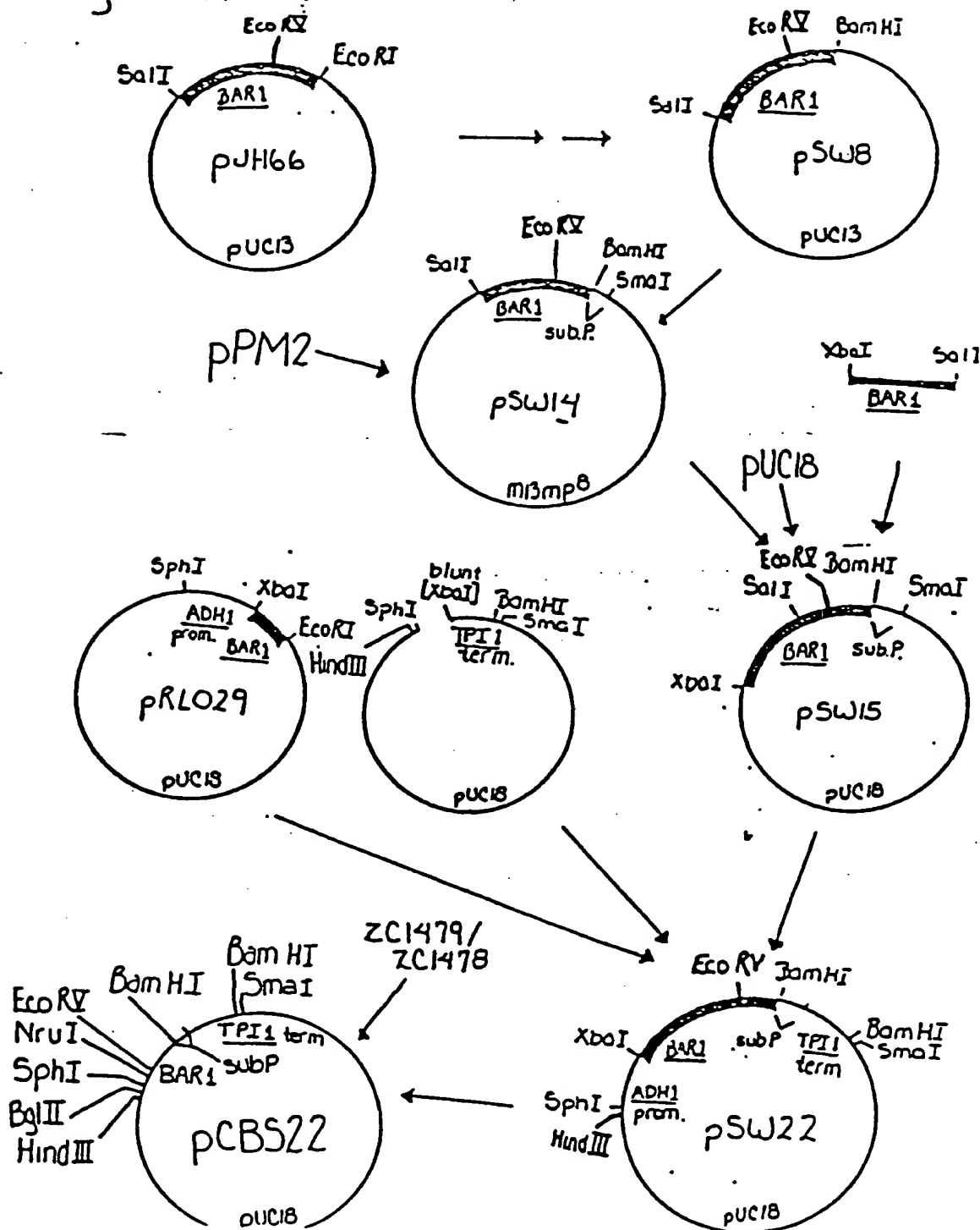


Figure 4

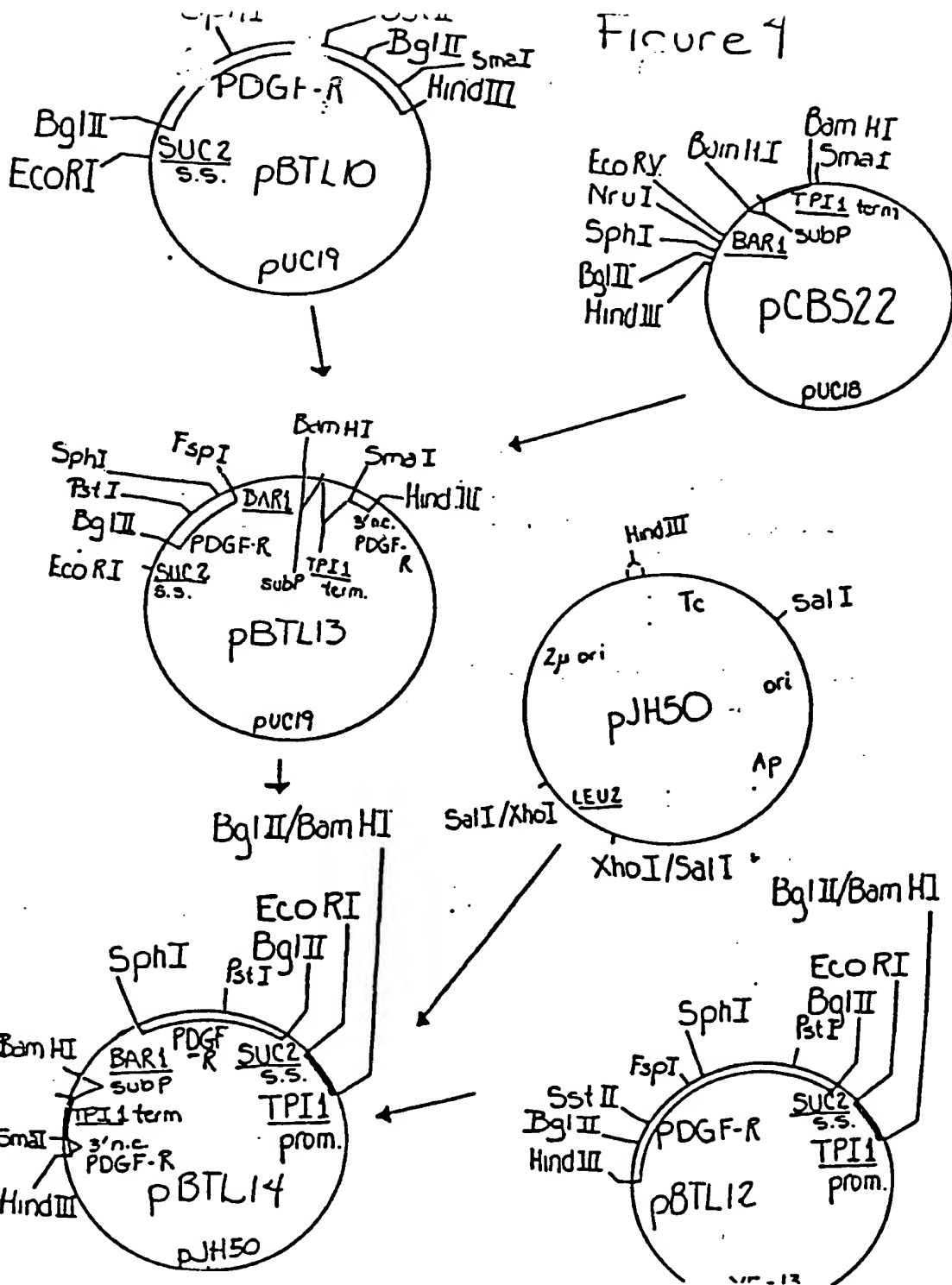
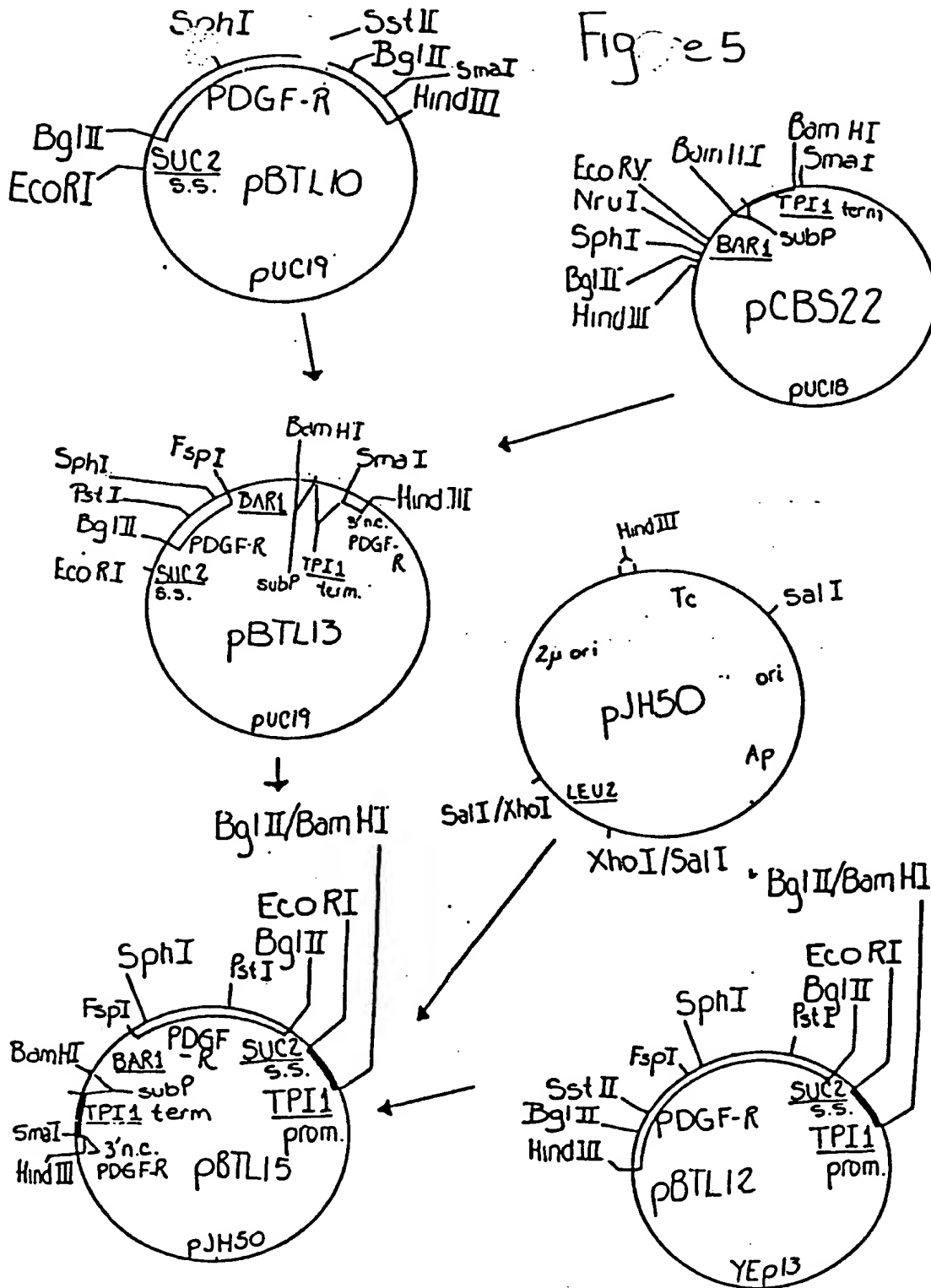




Figure 5



16927-00400500

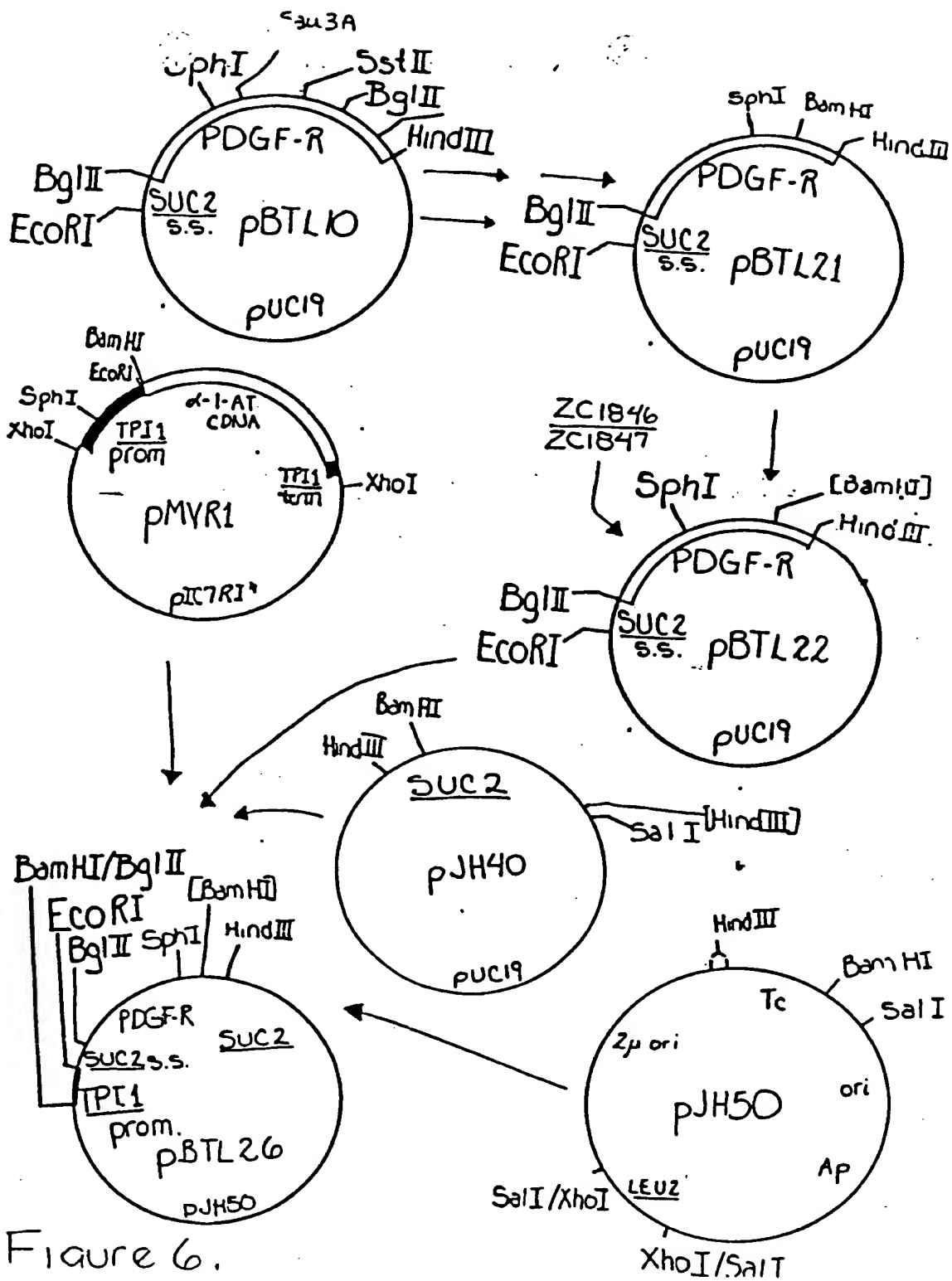


Figure 6.

Figure 7

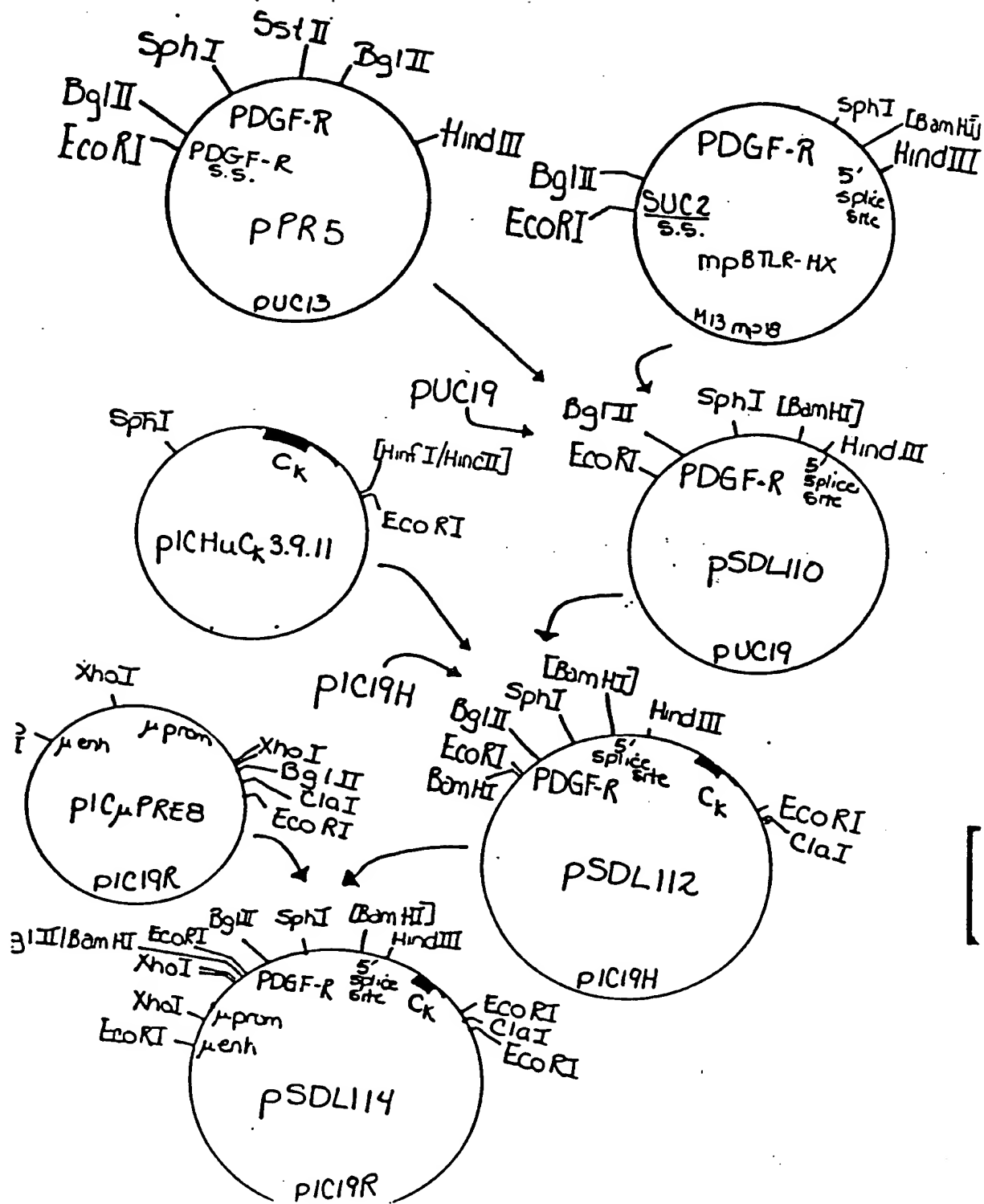
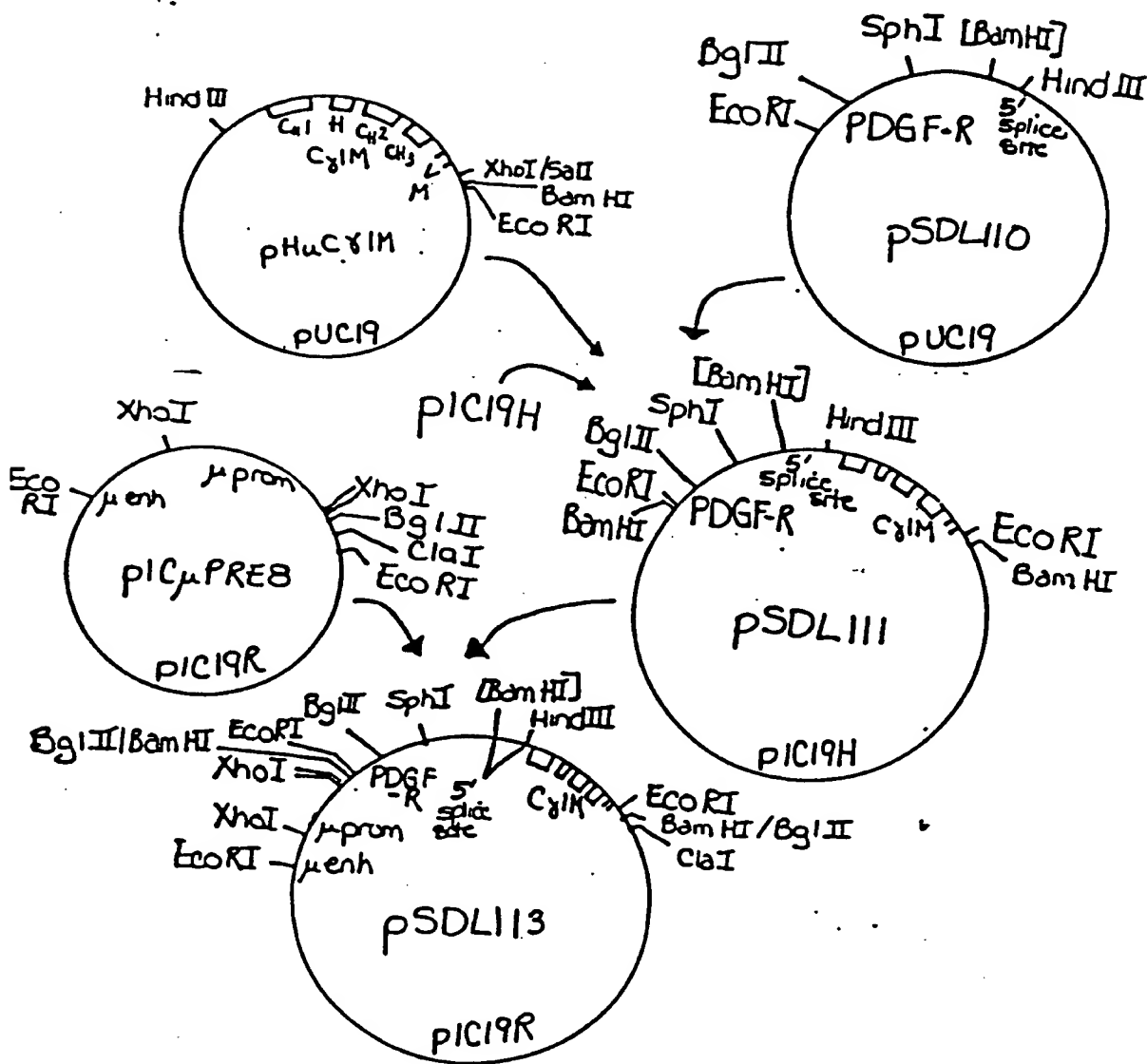


Figure 8



00960400-11259

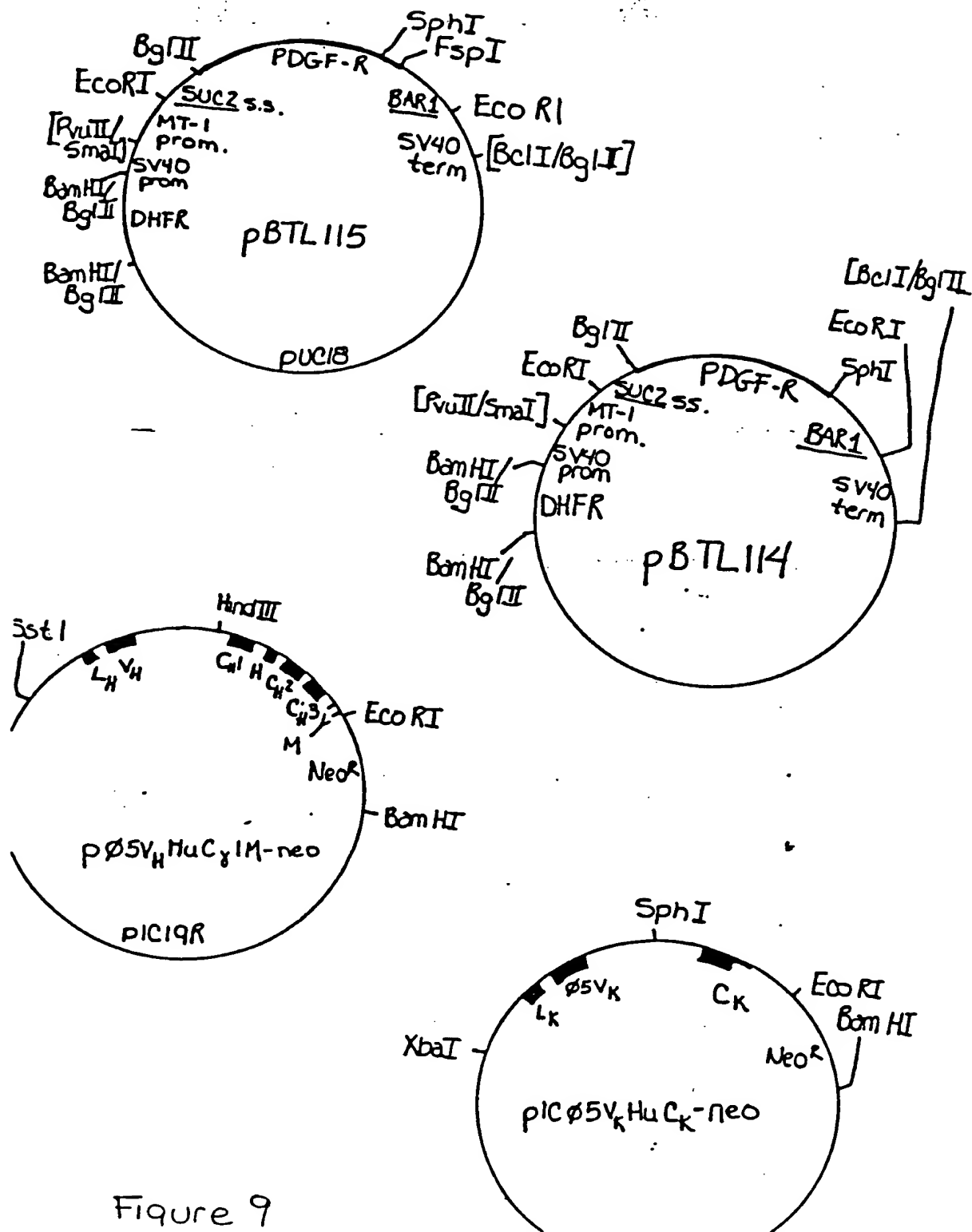
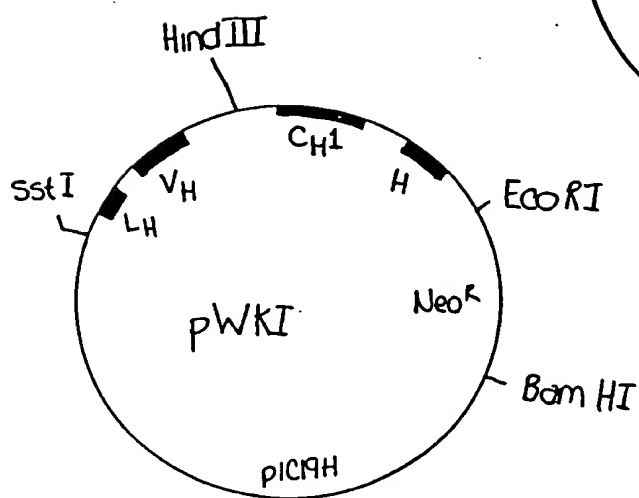
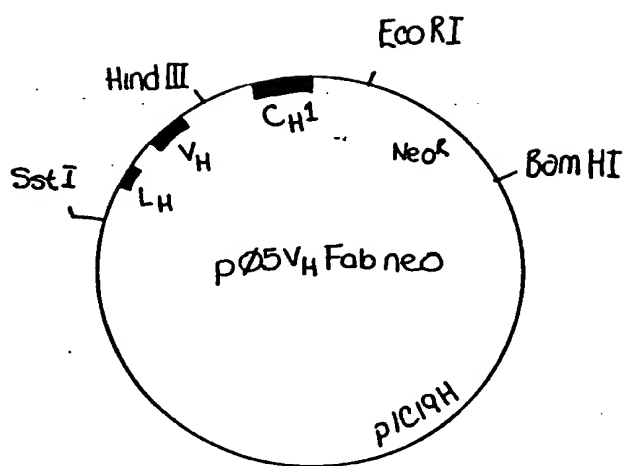
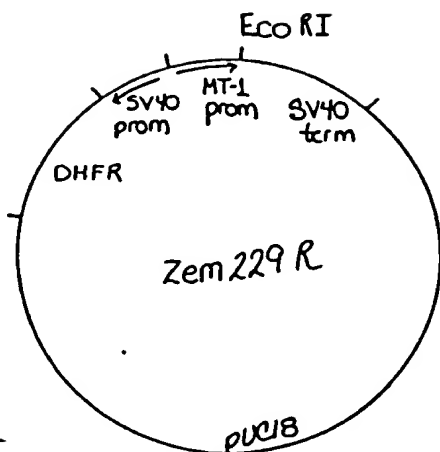


Figure 9

Figure 10



08930400-11257

FIGURE 11

1 GCCCTGGGGACGGACCGTGGGCGGCGCGCAGCGGCGGGACCGGTTTTGGGGACGTGGTGGCCAGCGCCT  
70 TCCTGCAGACCCACAGGGAAGTACTCCCTTTGACCTCCGGGGAGCTGCGACCAAGTTATACGTTGCTGG  
139 TCGAAAAGTGACAAATTCTAGGAAAAGAGCTAAAAGCCGGATCGGTGACCGAAAGTTTCCCAGAGCTATG  
M  
1  
208 GGGACTTCCCATCCGGCGTTCCTGGTCTTAGGCTGTCTTCTCACAGGGCTGAGCCTAATCCTCTGCCAG  
G T S H P A F L V L G C L L T G L S L I L C Q  
277 CTTTCATTACCTCTATCCTTCCAAATGAAAATGAAAAGGTTGTGACGCTGAATTCATCCTTTTCTCTG  
L S L P S I L P N E N E K V V Q L N S S F S L  
346 AGATGCTTTGGGAGAGTGAAGTGAGCTGGCAGTACCCCATGTCTGAAGAAGAGAGCTCCGATGTGGAA  
R C F G E S E V S W Q Y P H S E E E S S D V E  
415 ATCAGAAATGAAGAAAACAACAGCGGCCCTTTTGTGACGGTCTTGGAAGTGAGCAGTGCCTCGGCGGGCC  
I R N E E N N S G L F V T V L E V S S A S A A  
484 CACACAGGGTTGTACACTTGCTATTACAACCACACTCAGACAGAAGAGAATGAGCTTGAAGGCAGGCAC  
H T G L Y T C Y Y N H T Q T E E N E L E G R H  
553 ATTTACATCTATGTGCCAGACCCAGATGTAGCCTTTGTACCTCTAGGAATGACGGATTATTTAGTCATC  
I Y I Y V P D P D V A F V P L G M T D Y L V I  
622 GTGGAGGATGATGATTCTGCCATTATACCTTGTCCGACAACTGATCCCGAGACTCCTGTAACCTTACAC  
V E D D D S A I I P C R T T D P E T P V T L H  
691 AACAGTGAGGGGGTGGTACCTGCCTCCTACGACAGCAGACAGGGCTTTAATGGGACCTTCACTGTAGGG  
N S E G V V P A S Y D S R Q G F N G T F T V G  
760 CCCTATATCTGTGAGGCCACCGTCAAAGGAAAGAAGTTCCAGACCATCCCATTTAATGTTTATGCTTTA  
P Y I C E A T V K G K K F Q T I P F N V Y A L  
829 AAAGCAACATCAGAGCTGGATCTAGAAATGGAAGCTCTTAAACCGTGTATAAGTCAGGGGAAACGATT  
K A T S E L D L E H E A L K T V Y K S G E T I  
898 GTGGTCACCTGTGCTGTTTTTAACAATGAGGTGGTTGACCTTCAATGGACTTACCCTGGAGAAGTGA  
V V T C A V F N N E V V D L Q W T Y P G E V K

0550400-1459

967 GGCAAAGGCATCAATACTGGAAGAAATCAAAGTCCCATCCATCAAATTGGTGACACTTTGACGGTC  
G K G I T I L E E I K V P S I K L V Y T L T V

1036 CCCGAGGCCACGGTGAAGACAGTGGAGATTACGAATGTGCTGCCCGCCAGGCTACCAGGGAGGTCAAA  
P E A T V K D S G D Y E C A A R Q A T R E V K

1105 GAAATGAAGAAAGTCACTATTTCTGTCCATGAGAAAGGTTTCATTGAAATCAAACCCACCTTCAGCCAG  
E H K K V T I S V H E K G F I E I K P T F S Q

1174 TTGGAAGCTGTCAACCTGCATGAAGTCAAACATTTTGTGTAGAGGTGCCGGCCTACCCACCTCCCAGG  
L E A V N L H E V K H F V V E V R A Y P P P R

1243 ATATCCTGGCTGAAAAACAATCTGACTCTGATTGAAAAATCTCACTGAGATCACCAGTGTGGAAAAG  
I S W L K N N L T L I E N L T E I T T D V E K

1312 ATTACGGAATAAGGTATCGAAGCAAATTAAGCTGATCCGTGCTAAGGAAGAAGACAGTGGCCATTAT  
I Q E I R Y R S K L K L I R A K E E D S G H Y

1381 ACTATTGTAGCTCAAAATGAAGATGCTGTGAAGAGCTATACTTTGAACTGTTAACTCAAGTTCCTTCA  
T I V A Q N E D A V K S Y T F E L L T Q V P S

1450 TCCATTCTGGACTTGGTGGATGATCACCATGGCTCAACTGGGGGACAGACGGTGAGGTGCACAGCTGAA  
S I L D L V D D H H G S T G G Q T V R C T A E

1519 GGCACGCCGCTTCTGATATTGAGTGGATGATATGCAAAGATATTAAGAAATGTAATAATGAAACTTCC  
G T P L P D I E W H I C K D I K K C N N E T S

1588 TGGACTATTTGGCCAACAATGTCTCAAACATCATCAGGAGATCCACTCCCGAGACAGGAGTACCGTG  
W T I L A N N V S N I I T E I H S R D R S T V

1657 GAGGGCCGTGTGACTTTGCGCAAAGTGGAGGAGACCATCGCCGTGCGATGCCTGGCTAAGAATCTCCTT  
E G R V T F A K V E E T I A V R C L A K N L L

1726 GGAGCTGAGAACCAGAGCTGAAGCTGGTGGCTCCACCCCTGCGTTCTGAACTCAGGGTGGCTGTGCA  
G A E N R E L K L V A P T L R S E L T V A A A

1795 GTCCTGGTGTCTTGGTGTGATCATCTCACTTATTGTCTGCTGGTGTGCTATGTGAAACAGAAACCG  
V L V L L V I V I I S L I V L V V I W K Q K P

00960400.112697



Figure 11 continued

1864 AGGTATGAAATTCGCTGGAGGGTCATTGAATCAATCAGCCCGGATGGACATGAATATATTTATGTGGAC  
R Y E I R W R V I E S I S P D G H E Y I Y V D

1933 CCGATGCAGCTGCCTTATGACTCAAGATGGGAGTTTCCAAGAGATGGACTAGTGGCTTGGTCGGGTCTTG  
P H Q L P Y D S R W E F P R D G L V L G R V L

2002 GGGTCTGGAGCGTTTGGGAAGGTGCTGAAGGAACAGCCTATCGATTAAGCCGGTCCCAACCTGTCTATG  
G S G A F G K V V E G T A Y G L S R S Q P V H

2071 AAAGTTGCAGTGAAGATGCTAAAACCCACGGCCAGATCCAGTGAAAAACAAGCTCTCATGTCTGAACTG  
K V A V K H L K P T A R S S E K Q A L H S E L

2140 AAGATAATGACTCACCTGGGGCCACATTTGAACATTGTAACTTGTCTGGGAGCCTGCACCAAGTCAGGC  
K I M T H L G P H L N I V N L L G A C T K S G

2209 CCCATTTACATCATCACAGATATTGCTTCTATGGAGATTGTGGTCAACTATTTGCATAAGAATAGGGAT  
P I Y I I T E Y C F Y G D L V N Y L H K N R D

2278 AGCTTCCTGAGCCACCACCCAGAGAAGCCAAAGAAAGAGCTGGATATCTTTGGATTGAACCTGCTGAT  
S F L S H H P E K P K K E L D I F G L N P A D

2347 GAAAGCACACGGAGCTATGTTATTTATCTTTTGA AAAACAATGGTGACTACATGGACATGAAGCAGGCT  
E S T R S Y V I L S F E N H G D Y M D M K Q A

2416 GATACTACACAGTATGTCCCCATGCTAGAAAGGAAAGAGGTTTCTAAATATTCGACATCCAGAGATCA  
D T T Q Y V P H L E R K E V S K Y S D I Q R S

2485 CTCTATGATCGTCCAGCCTCATATAAGAAGAAATCTATGTTAGACTCAGAAGTCAAAAACCTCCTTTCA  
L Y D R P A S Y K K K S M L D S E V K N L L S

2554 GATGATAACTCAGAAGGCCTTACTTTATTGGATTGTGTTGAGCTTCACCTATCAAGTTGCCCGAGGAATG  
D D N S E G L T L L D L L S F T Y Q V A R G H

2623 GAGTTTTTGGCTTCAAAAAATTGTGTCCACCGTGATCTGGCTGCTCGCAACGTCCTCCTGGCACAAGGA  
E F L A S K N C V H R D L A A R N V L L A Q G

2692 AAAATTGTGAAGATCTGTGACTTTGGCCTGGCCAGAGACATCATGCATGATTGGAACCTATGTGTGAAA  
K I V K I C D F G L A R D I M H D S N Y V S K

2761 GGCAGTACCTTTCTGCCCCGTAAGTGGATGGCTCCTGAGAGCATCTTTCACAACCTCTACACCACACTG  
G S T F L P V K W H A P E S I F D N L Y T T L

03560400 14554

2830 AGTGATGTCCTGGTCTTATGGCAATTCTGCTCTGGGAGATCTTTTCCCTTGCTGGCACCCCTTACCCCGGC  
S D V W S Y G I L L W E I F S L G G T P Y P G

2899 ATGATGGTGGATTCTACTTTCTACAATAAGATCAAGAGTGGGTACCGGATGGCCAAGCCTGACCCGCT  
M M V D S T F Y N K Y K S G Y R M A K P D H A

2968 ACCAGTGAAGTCTACGAGATCATGGTGAATGCTGGAAACAGTGAGCGGAGAAAGAGACCCCTCCTTTTAC  
T S E V Y E I M V K C W N S E P E K R P S F Y

3037 CACCTGAGTGAGATTGTGGAGAATCTGCTGCTGGACAATATAAAAAAGAGTTATGAAAAAATTCACCTG  
H L S E I V E N L L P G Q Y K K S Y E K I H L

3106 GACTTCCTGAAGAGTGACCATCCTGCTGTGGCAGCATGCGTGTGGACTCAGACAATGCATACATTGGT  
D F L K S D H P A V A R M R V D S D N A Y I G

3175 GTCACCTACAAAAACGAGGAAGACAAGCTGAAGGACTGGGAGGGTGGTCTGGATGAGCAGAGACTGAGC  
V T Y K N E E D K L K D W E G G L D E Q R L S

3244 GCTGACAGTGGCTACATCATTCTCTGCTGACATTGACCCTGTCCCTGAGGAGGAGGACCTGGGCAAG  
A D S G Y I I P L P D I D P V P E E E D L G K

3313 AGGAACAGACACAGCTCGCAGACCTCTGAAGAGAGTGCCATTGAGACGGGTTCCAGCAGTTCCACCTTC  
R N R H S S Q T S E E S A I E T G S S S S T F

3382 ATCAAGAGAGAGGACGAGACCATTGAAGACATCGACATGATGGACGACATCGGCATAGACTCTTCAGAC  
I K R E D E T I E D I D M M D D I G I D S S D

3451 CTGGTGGGAAGACAGCTTCCTGTAACTGGCGGATTCGAGGGGTTCCTTCCACTTCTGGGGCCACCTCTGG  
L V E D S F L

1089

3520 ATCCCGTTCAGAAAACCACTTTATTGCAATGCGGAGGTTGAGAGGAGGACTTGGTTGATGTTTAAAGAG  
3589 AAGTTCCTCCAGCAAGGGCTCGGGGAGCGCTTCAAATATGAATGAATGGCATATTTTGAAATGAACTTT  
3658 TCAGTGTTCCTCTTGCAATCGCTCAGTAGCATCTCAGTGGTGTGTGAAGTTTGGAGATAGATGGTAA  
3727 AGGGAATAATAGGCCACAGAAGGTGAACTTTGTGCTTCAAGGACATTGGTGAGAGTCCAACAGACACAA  
3796 TTTATACTCGCAGACAGAACTCAGCACTGTAATTATGTAATAACTCAACCAAGGCTGTGTTAGATTG  
3865 TATTAACTATCTTTCTTGGACTTCTGAAGAGACCACTCAATCATCTCTGTACTTCCCTCTGTAAACCTG  
3934 ATGTAGCTGCTGTTGAACTTTTAAAGAAAGTCATGAAAAACCATTTTGAACCTTAAAGGTAAGTCTGGT  
4003 ACTATAGCATTTTGCATCTTTTTTAGTTTAAAGAGATAAAGATAAATAAG

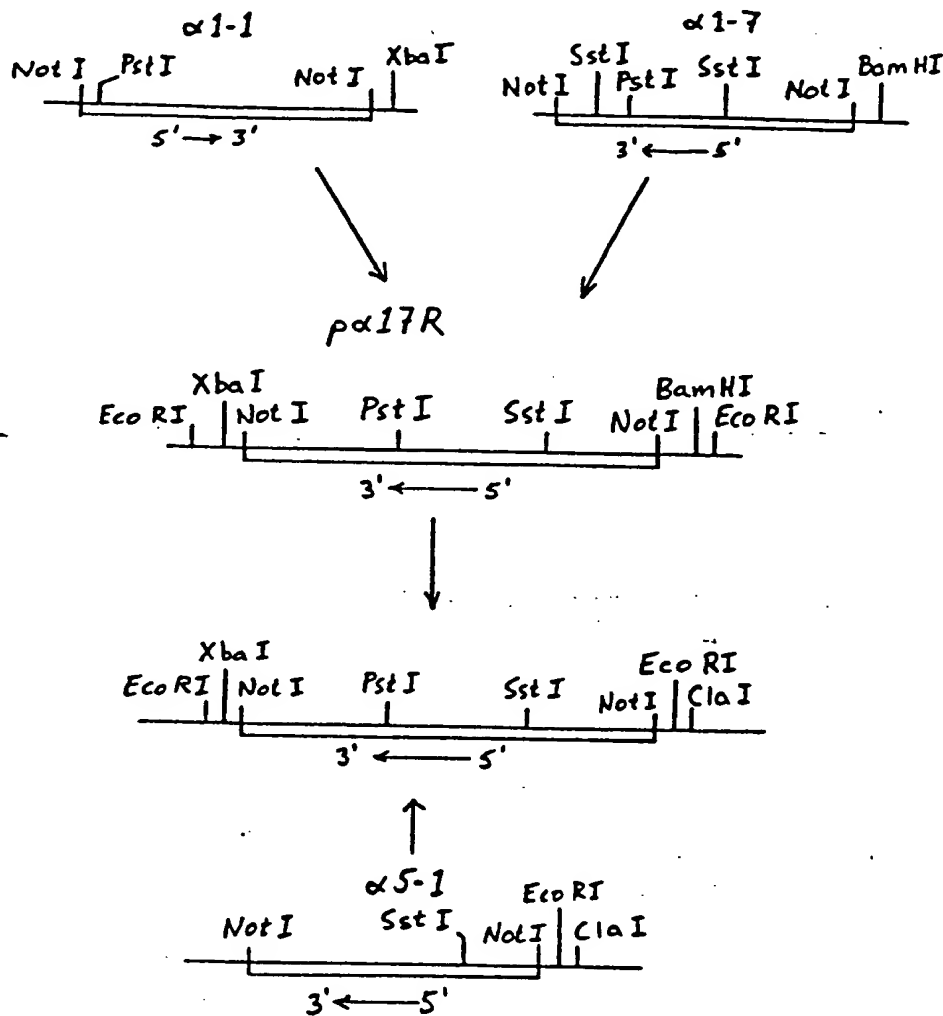


FIGURE 12



1312 TGGGAGAGGTGGGCACACTACAATTTGCTGAGCTGCATCGGAGCCGGACACTGCAGGTTAGTGTTCGAGG 1380  
G E V G T L Q F A E L H R S R T L Q V V F E A 342

1381 CCTACCCACCGCCCACTGTCTGTGGTTCAAAGACAACCGCACCTGGGCGACTCCAGCGCTGGCGAAA 1449  
Y P P P T V L W F K D N R T L G D S S A G E I 365

1450 TCGCCCTGTCCACGCGCAACGTGTGCGAGACCCGGTATGTGTGAGAGCTGACACTGGTTTCGCGTGAAGG 1518  
A L S T R N V S E T R Y V S E L T L V R V K V 388

1519 TGGCAGAGGCTGGCCACTACACCATGCGGGCCTTCCATGAGGATGCTGAGGTCCAGCTCTCCTTCCAGC 1587  
A E A G H Y T M R A F H E D A E V Q L S F Q L 411

1588 TACAGATCAATGTCCCTGTCCGAGTGCTGGAGCTAAGTGAGAGCCACCCTGACAGTGGGGAACAGACAG 1656  
Q I N V P V R V L E L S E S H P D S G E Q T V 434

1657 TCCGCTGTGCTGGCCGGGGCATGCCCCAGCCGAACATCATCTGGTCTGCCTGCAGAGACCTCAAAGGT 1725  
R C R G R G M P Q P N I I W S A C R D L K R C 457

1726 GTCCACGTGAGCTGCCGCCCCACGCTGTGCGGGAACAGTTCCGAAGAGGAGAGCCAGCTGGAGACTAACG 1794  
P R E L P P T L L G N S S E E E S Q L E T N V 480

1795 TGACGTACTGGGAGGAGGAGCAGGAGTTTGAGGTGGTGAGCACACTGCGTCTGCAGCACGTGGATCGGC 1863  
T Y W E E E Q E F E V V S T L R L Q H V D R P 503

1864 CACTGTGCGGTGCGCTGCACGCTGCGCAACGCTGTGGGCCAGGACACGCAGGAGGTATCGTGGTGCCAC 1932  
L S V R C T L R N A V G Q D T Q E V I V V P H 526

1933 ACTCCTTGCCCTTTAAGGTGGTGGTGATCTCAGCCATCCTGGCCCTGGTGGTGCTCACCATCATCTCCC 2001  
S L P F K V V V I S A I L A L V V L T I I S L 549

2002 TTATCATCCTCATCATGCTTTGGCAGAAGAAGCCACGTTACGAGATCCGATGGAAGGTGATTGAGTCTG 2070  
I I L I M L W Q K K P R Y E I R W K V I E S V 572

2071 TGAGCTCTGACGGCCATGAGTACATCTACGTGGACCCCATGCAGCTGCCCTATGACTCCACGTGGGAGC 2139  
S S D G H E Y I Y V D P M Q L P Y D S T W E L 595

2140 TGCCGCGGGACCACTTGTGTGCTGGGACGCACCCTCGGCTCTGGGGCCTTTGGGCAGGTGGTGGAGGCCA 2208  
P R D Q L V L G R T L G S G A F G Q V V E A T 618

2209 CGGCTCATGGCCTGAGCCATTCTCAGGCCACGATGAAAGTGGCCGTCAAGATGCTTAAATCCACAGCCC 2277  
A H G L S H S Q A T M K V A V K M L K S T A R 641

2278 GCAGCAGTGAGAAGCAAGCCCTTATGTGCGAGCTGAAGATCATGAGTCACCTTGGGCCCCACCTGAACG 2346  
S S E K Q A L M S E L K I M S H L G P H L N V 664

2347 TGGTCAACCTGTTGGGGGCCTGCACCAAAGGAGGACCCATCTATATCATCACTGAGTACTGCCGCTACG 2415  
V N L L G A C T K G G P I Y I I T E Y C R Y G 687

2416 GAGACCTGGTGGACTACCTGCACCGCAACAAACACACCTTCTGTCAGCACCACTCCGACAAGCGCCGCC 2484  
D L V D Y L H R N K H T F L Q H H S D K R R P 710

2485 CGCCCAGCGCGGAGCTCTACAGCAATGCTCTGCCCCTGGGCTCCCCCTGCCAGCCATGTGTCCTTGA 2553  
P S A E L Y S N A L P V G L P L P S H V S L T 733

Fig. 1B

2554 CCGGGGAGAGCGACGGTGGCTACATGGACATGAGCAAGGACGAGTCGGTGGACTATGTGCCCATGCTGG 2622  
 G E S D G G Y M D M S K D E S V D Y V P M L D 756

2623 ACATGAAAGGAGACGTCAAATATGCAGACATCGAGTCCTCCAACCTACATGGCCCCCTTACGATAACTACG 2691  
 M K G D V K Y A D I E S S N Y M A P Y D N Y V 779

2692 TTCCCTCTGCCCCTGAGAGGACCTGCCGAGCAACTTTGATCAACGAGTCTCCAGTGCTAAGCTACATGG 2760  
 P S A P E R T C R A T L I N E S P V L S Y M D 802

2761 ACCTCGTGGGCTTCAGCTACCAGGTGGCCAATGGCATGGAGTTTCTGGCCTCCAAGAACTGCGTCCACA 2829  
 L V G F S Y Q V A N G M E P L A S K N C V H R 825

2830 GAGACCTGGCGGCTAGGAACGTGCTCATCTGTGAAGGCAAGCTGGTCAAGATCTGTGACTTTGGCCTGG 2898  
 D L A A R N V L I C E G K L V K I C D F G L A 848

2899 CTCGAGACATCATGCGGGACTCGAATTACATCTCCAAAGGCAGCACCTTTTTGCCTTTAAAGTGGATGG 2967  
 R D I M R D S N Y I S K G S T F L P L K W M A 871

2968 CTCCGGAGAGCATCTTCAACAGCCTCTACACCACCCTGAGCGACGTGTGGTCTTCGGGATCCTGCTCT 3036  
 P E S I F N S L Y T T L S D V W S F G I L L W 894

3037 GGGAGATCTTCACCTTGGGTGGCACCCCTTACCCAGAGCTGCCCATGAACGAGCAGTTCTACAATGCCA 3105  
 E I F T L G G T P Y P E L P M N E Q F Y N A I 917

3106 TCAAACGGGGTTACCGCATGGCCCCAGCCTGCCCATGCCTCCGACGAGATCTATGAGATCATGCAGAAGT 3174  
 K R G Y R M A Q P A H A S D E I Y E I M Q K C 940

3175 GCTGGGAAGAGAAGTTTGAGATTCGGCCCCCCTTCTCCAGCTGGTGCTGCTTCTCGAGAGACTGTTGG 3243  
 W E E K F E I R P P P S Q L V L L L E R L L G 963

3244 GCGAAGGTTACAAAAGAAGTACCAGCAGGTGGATGAGGAGTTTCTGAGGAGTGACCACCCAGCCATCC 3312  
 E G Y K K K Y Q Q V D E E P L R S D H P A I L 986

3313 TTCGGTCCCAGGCCCGCTTGCCTGGGTTCATGGCCTCCGATCTCCCCTGGACACCAGCTCCGTCCTCT 3381  
 R S Q A R L P G F H G L R S P L D T S S V L Y 1009

3382 ATACTGCCGTGCAGCCCAATGAGGGTGACAACGACTATATCATCCCCCTGCCTGACCCCAACCCGAGG 3450  
 T A V Q P N E G D N D Y I I P L P D P K P E V 1032

3451 TTGCTGACGAGGGGCCACTGGAGGGTTCCCCCAGCCTAGCCAGCTCCACCCTGAATGAAGTCAACACCT 3519  
 A D E G P L E G S P S L A S S T L N E V N T S 1055

3520 CCTCAACCATCTCCTGTGACAGCCCCCTGGAGCCCCAGGACGAACCAGAGCCAGAGCCCCAGCTTGAGC 3588  
 S T I S C D S P L E P Q D E P E P E P Q L E L 1078

3589 TCCAGGTGGAGCCGGAGCCAGAGCTGGAACAGTTGCCGGATTGGGGTGCCCTGCGCCTCGGGCGGAAG 3657  
 Q V E P E P E L E Q L P D S G C P A P R A E A 1101

3658 CAGAGGATAGCTTCCTGTAGGGGGCTGGCCCCCTACCCTGCCCTGCCTGAAGCTCCCCCCTGCCAGCAC 3726  
 E D S F L . 1106

3727 CCAGCATCTCCTGGCCTGGCCTGACCGGGCTTCCTGTGAGCCAGGCTGCCCTTATCAGCTGTCCCCTTC 3795

Fig. 1C

3796 TGGAAGCTTTCTGCTCCTGACGTGTTGTGCCCCAAACCCTGGGGCTGGCTTAGGAGGCAAGAAAACTGC 3864  
 3865 AGGGGCCCGTGACCAGCCCTCTGCCTCCAGGGAGGCCAACTGACTCTGAGCCAGGGTCCCCCAGGGAAC 3933  
 3934 TCAGTTTCCCATATGTAAGATGGGAAAGTTAGGCTTGATGACCCAGAATCTAGGATTCTCTCCCTGGC 4002  
 4003 TGACACGGTGGGGAGACCGAATCCCTCCCTGGGAAGATTCTTGGAGTTACTGAGGTGGTAAATTAACAT 4071  
 4072 TTTTCTGTTCAGCCAGCTACCCCTCAAGGAATCATAGCTCTCTCCTCGCACTTTTTATCCACCCAGGA 4140  
 4141 GCTAGGGAAGAGACCCTAGCCTCCCTGGCTGCTGGCTGAGCTAGGGCCTAGCTTGAGCAGTGTGCGCTC 4209  
 4210 ATCCAGAAGAAAGCCAGTCTCCTCCCTATGATGCCAGTCCCTGCGTTCCCTGGCCCGAGCTGGTCTGGG 4278  
 4279 GCCATTAGGCAGCCTAATTAATGCTGGAGGCTGAGCCAAGTACAGGACACCCCCAGCCTGCAGCCCTTG 4347  
 4348 CCCAGGGCACTTGGAGCACACGCAGCCATAGCAAGTGCCTGTGTCCCTGTCTTCAGGCCCATCAGTCC 4416  
 4417 TGGGGCTTTTTCTTTATCACCCCTCAGTCTTAATCCATCCACCAGAGTCTAGAAGGCCAGACGGGCCCCG 4485  
 4486 CATCTGTGATGAGAATGTAAATGTGCCAGTGTGGAGTGGCCACGTGTGTGTGCCAGTATATGGCCCTGG 4554  
 4555 CTCTGCATTGGACCTGCTATGAGGCTTTGGAGGAATCCCTCACCCCTCTCTGGGCCTCAGTTTCCCCTTC 4623  
 4624 AAAAAATGAATAAGTCGGACTTATTAACCTCTGAGTGCCTTGCCAGCACTAACATTCTAGAGTATTCCAG 4692  
 4693 GTGGTGACATTTGTCCAGATGAAGCAAGGCCTATACCCTAAACTTCATCCTGGGGGTGAGCTGGGCTC 4761  
 4762 CTGGGAGATTCCAGATCACACATCACTCTGGGGACTCAGGAACCATGCCCCCTCCCCAGGCCCCCAG 4830  
 4831 CAAGTCTCAAGAACACAGCTGCACAGGCCTTGACTTAGAGTGACAGCCGGTGTCTGGAAAGCCCCAAG 4899  
 4900 CAGCTGCCCCAGGGACATGGGAAGACCACGGGACCTCTTCACTACCCACGATGACCTCCGGGGGTATC 4968  
 4969 CTGGGCAAAAGGGACAAAGAGGGCAATGAGATCACCTCCTGCAGCCCACCACTCCAGCACCTGTGCCG 5037  
 5038 AGGTCTGCGTCGAAGACAGAATGGACAGTGAGGACAGTTATGTCTTGTAAGACAAGAAGCTTCAGAT 5106  
 5107 GGTACCCCAAGAAGGATGTGAGAGGTGGCTGCTTTGGAGTTTGCCCCCTCACCCACCACTGCCCCAT 5175  
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 5314 GGGTTGGGAAGGGGGTGCAGGAAGCTCAACCCCTCTGGGCACCAACCTGCATTGCAGGTTGGCACCTT 5382  
 5383 ACTTCCCTGGGATCCCCAGAGTTGGTCCAAGGAGGGAGAGTGGGTTCTCAATACGGTACCAAAGATATA 5451  
 5452 ATCACCTAGGTTTACAAATATTTTTAGGACTCACGTAACTCACATTTATACAGCAGAAATGCTATTTT 5520  
 5521 GTATGCTGTAAAGTTTTTCTATCTGTGTACTTTTTTTTAAGGGAAAGATTTT 5572

Fig. 1D

**Figure 2**

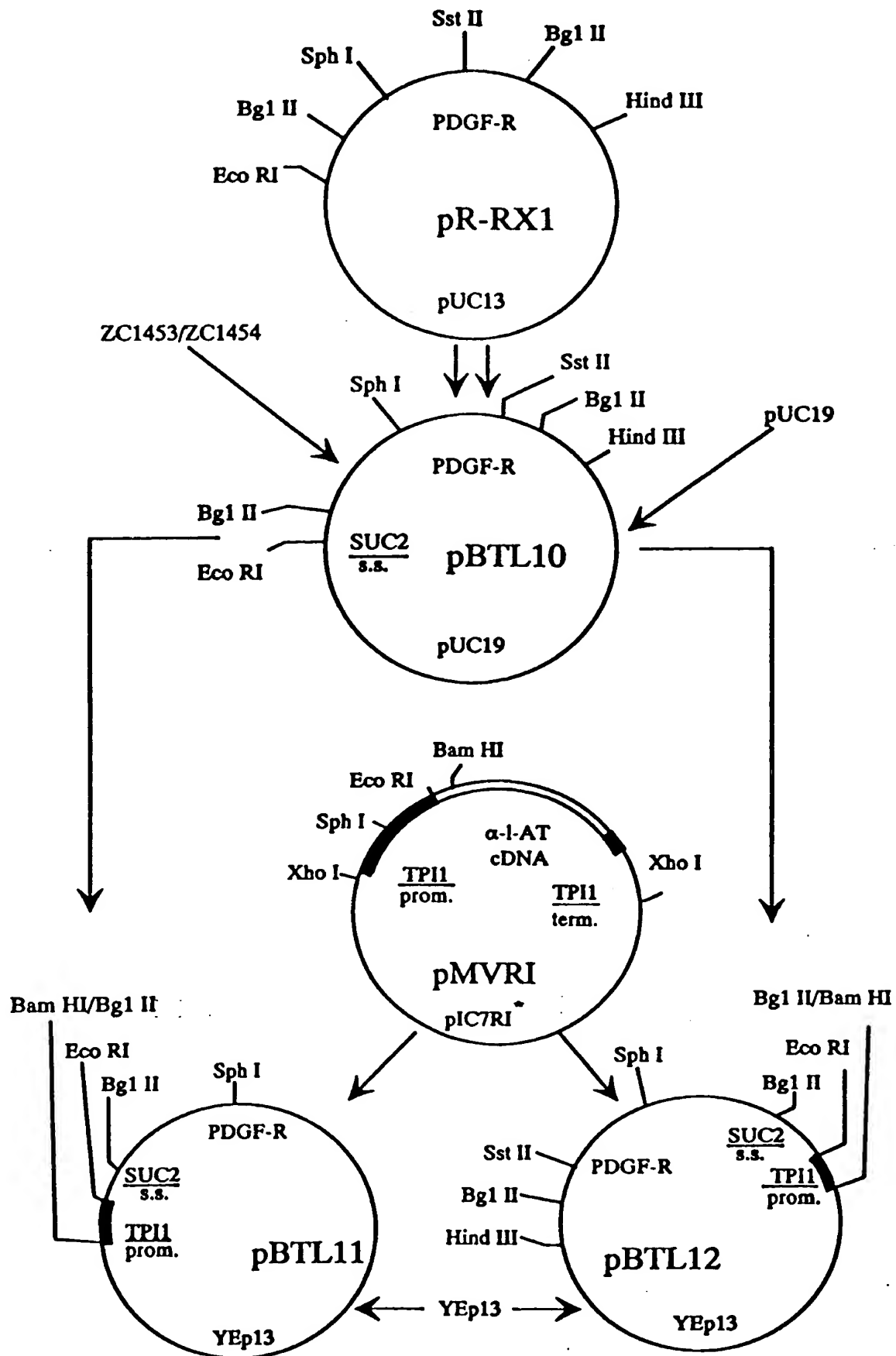






Figure 4

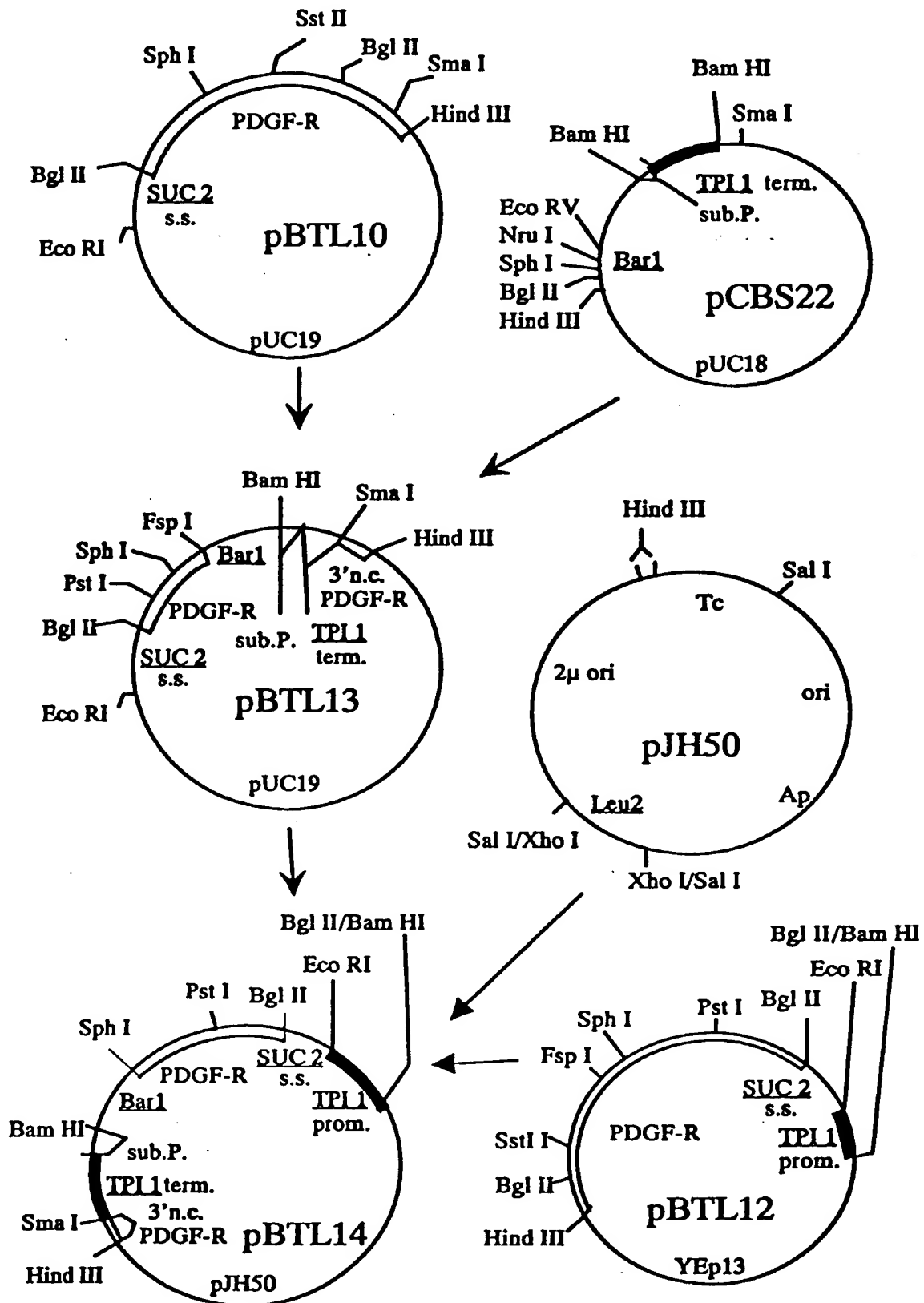
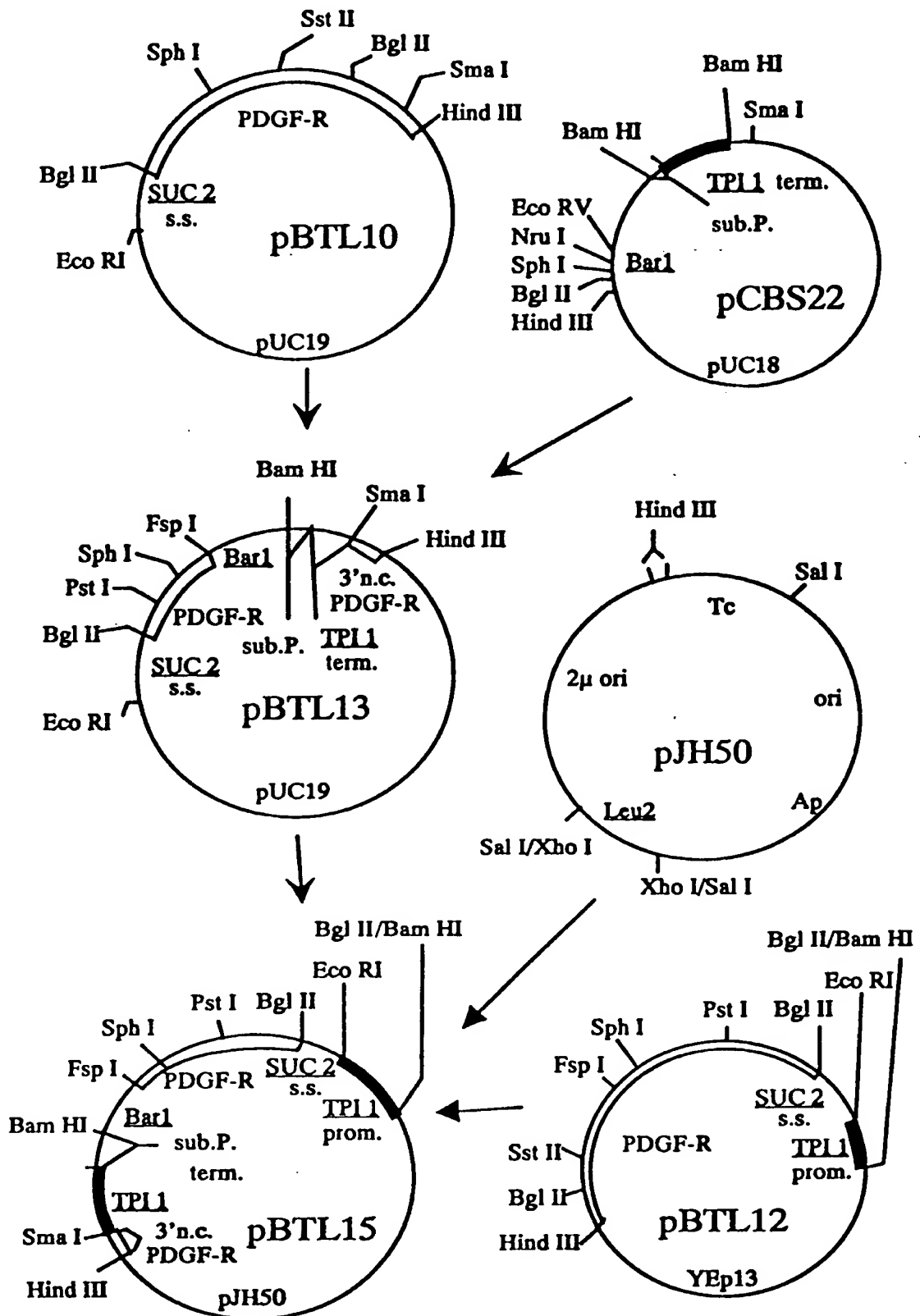
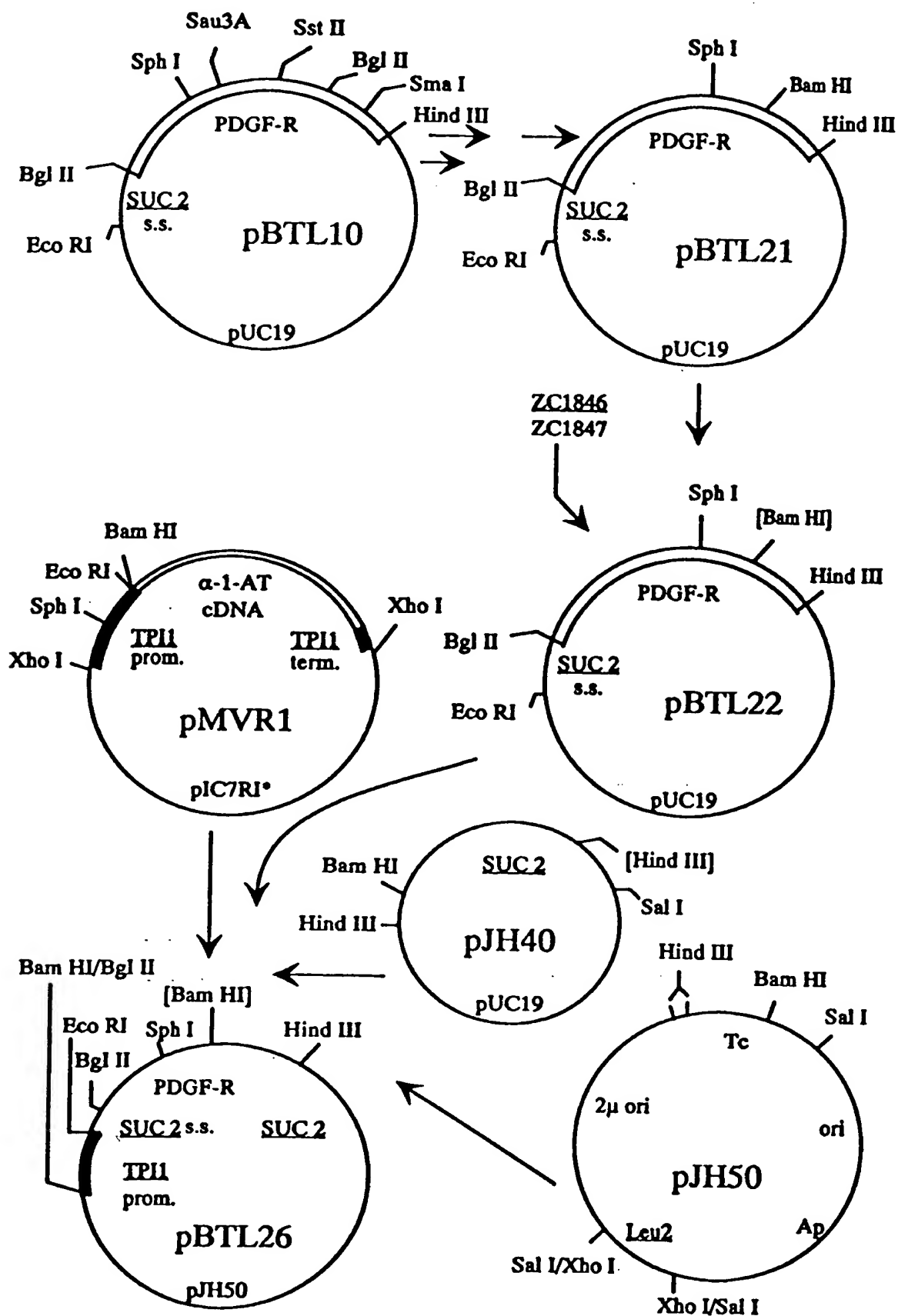


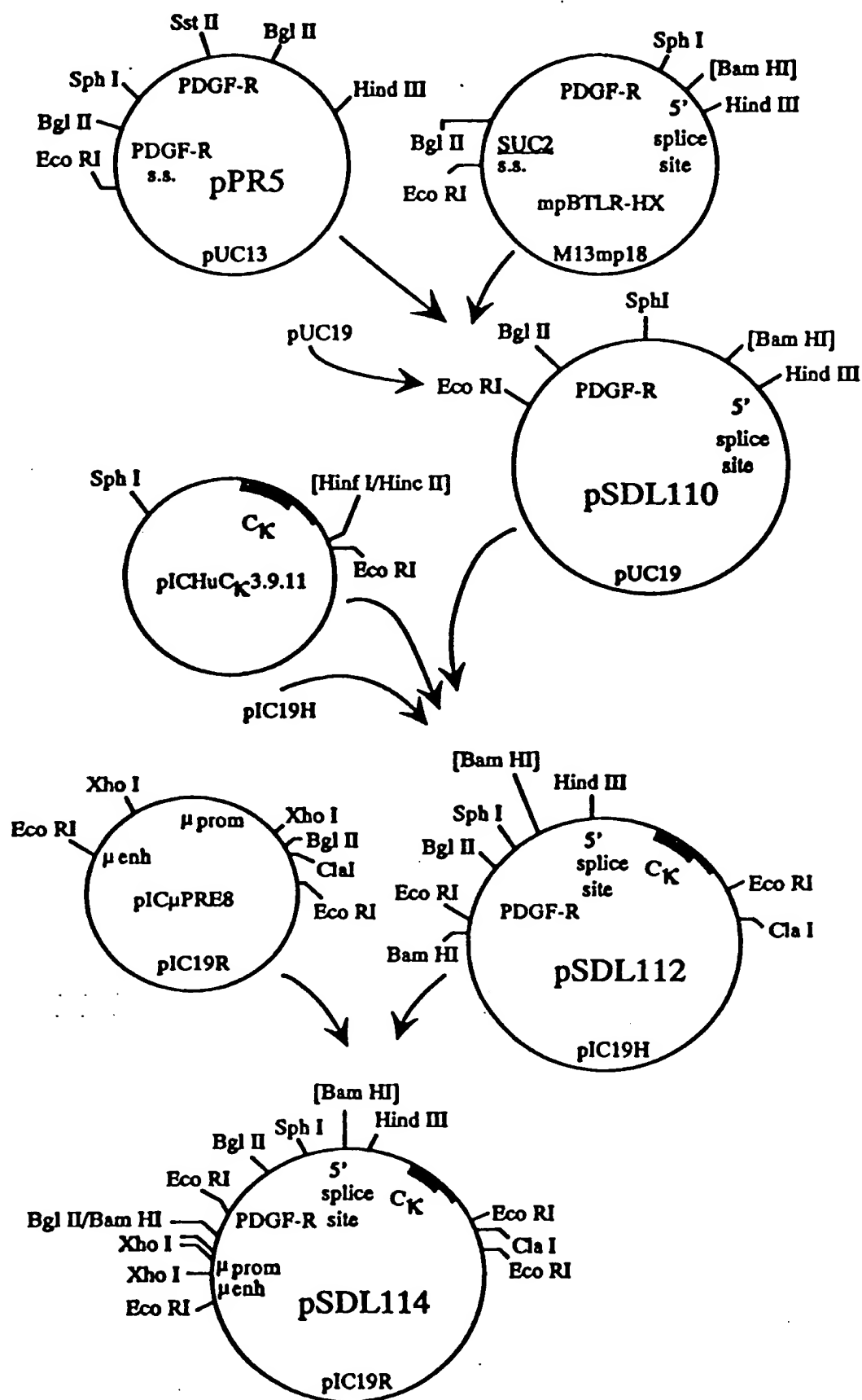
Figure 5



**Figure 6**



**Figure 7**



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Figure 8

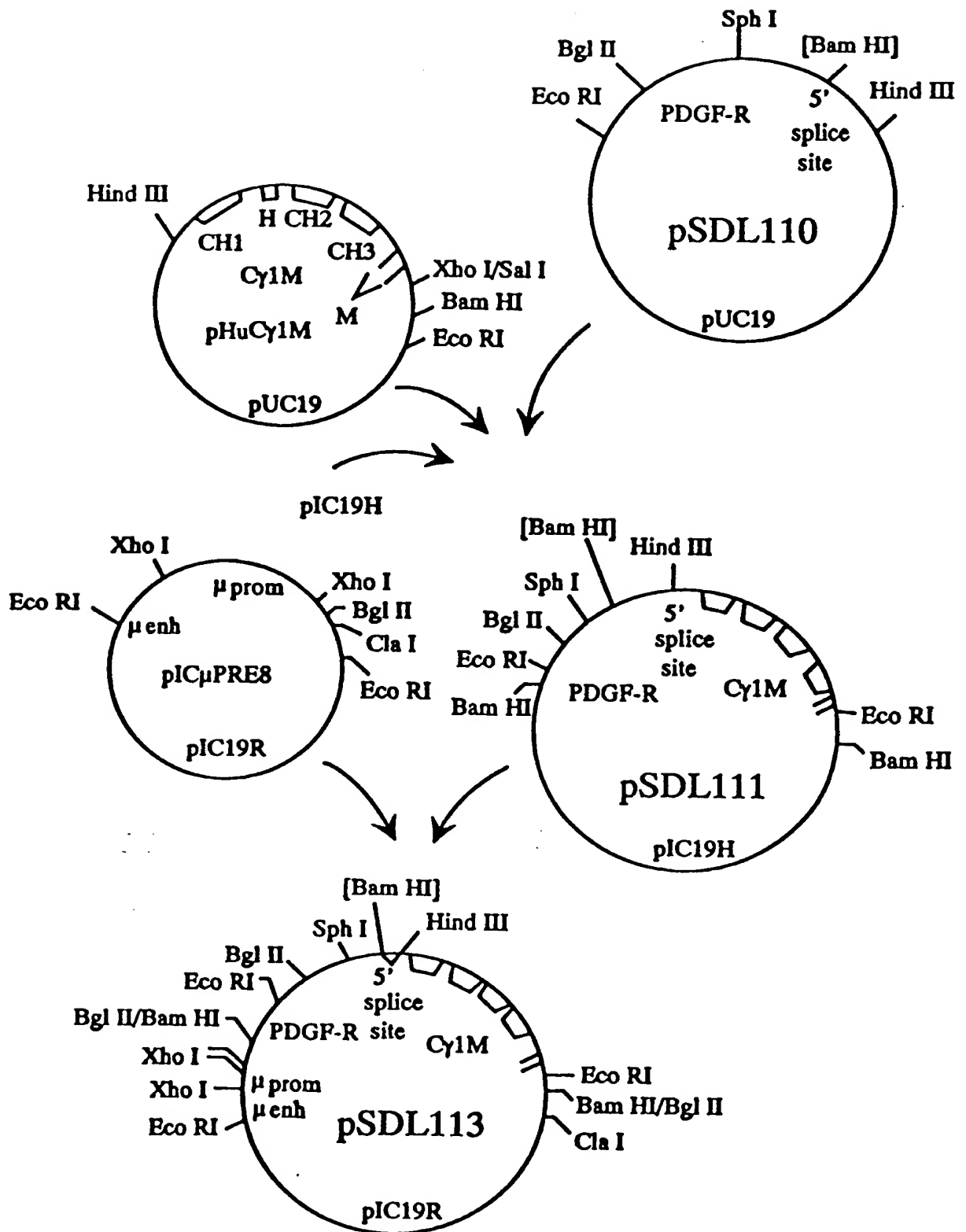


Figure 9

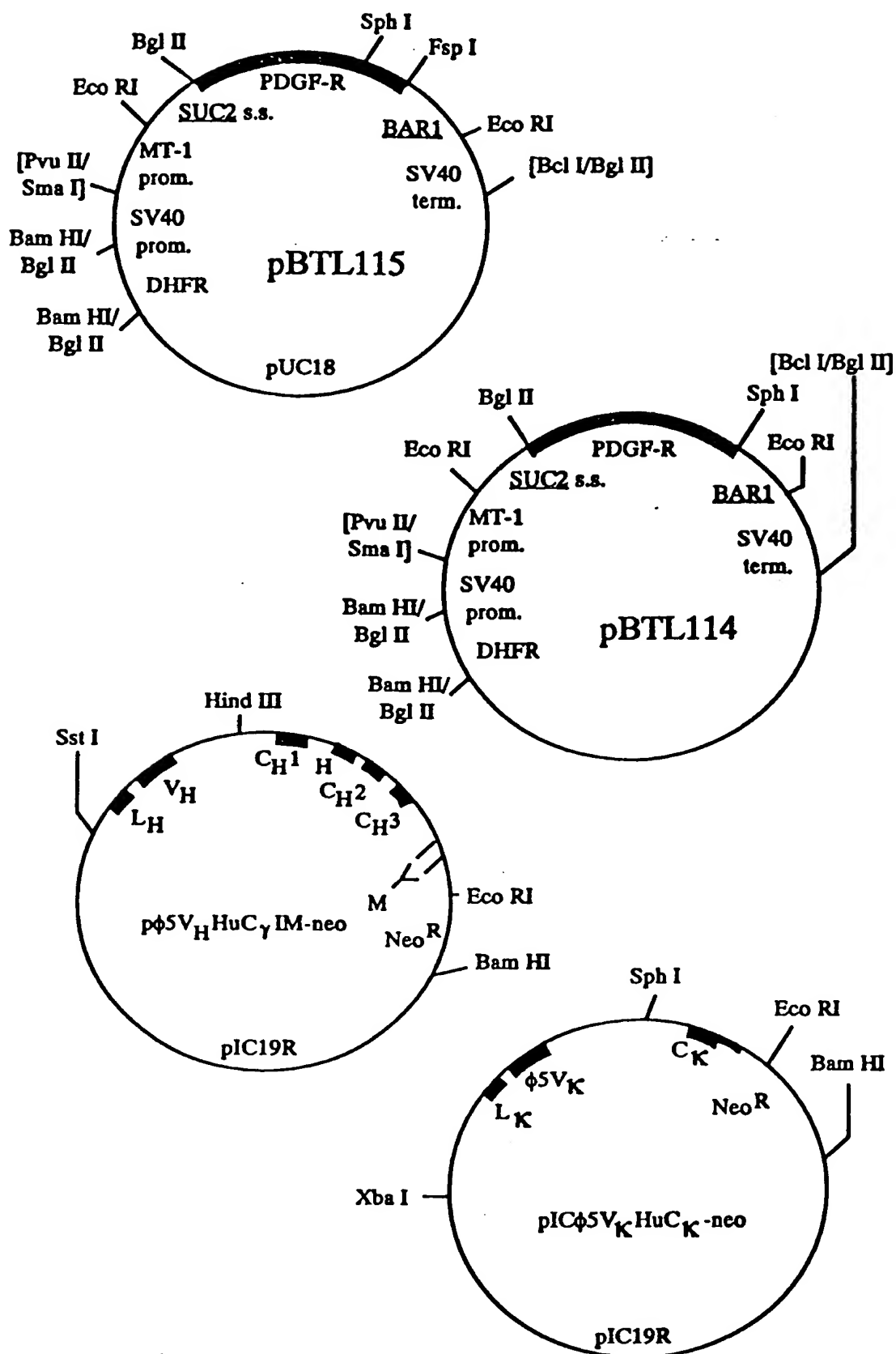
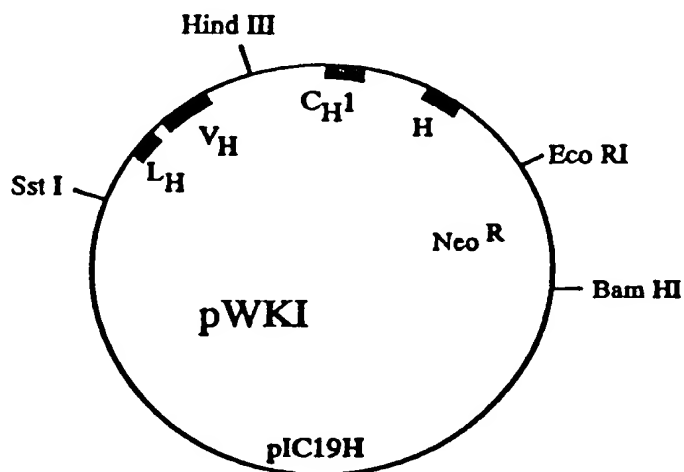
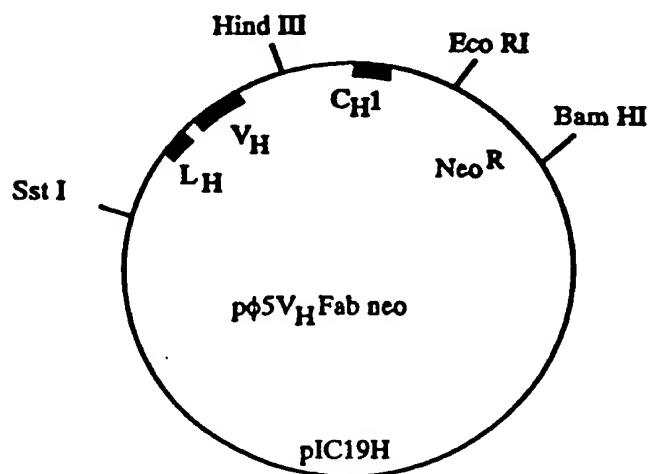
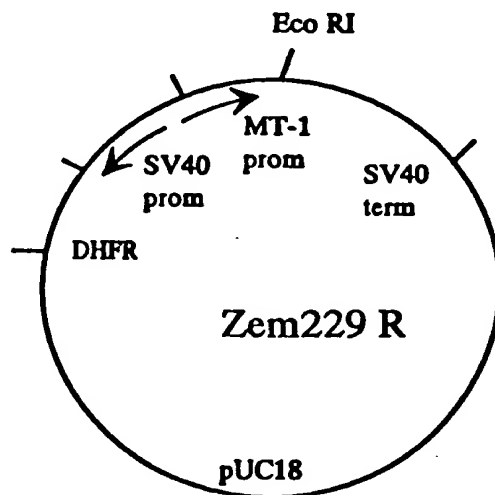


Figure 10



00492520



[illegible]

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139 TGGAAAAGTGACAATTCTAGGAAAAGAGCTAAAAGCCGGATCGGTGACCGAAAGTTTCCAGAGCTATG  
M  
1

208 GGGACTTCCCATCCGGCGTTCTGGTCTTAGGCTGTCTTCTCACAGGGCTGAGCCTAATCCTCTGCCAG  
G T S H P A F L V L G C L L T G L S L I L C Q

277 CTTTCATTACCCTCTATCCTTCCAAATGAAATGAAAAGGTTGTGCAGCTGAATTCATCCTTTTCTCTG  
L S L P S I L P N E N E K V V Q L N S S F S L

346 AGATGCTTTGGGGAGAGTGAAGTGAGCTGGCAGTACCCCATGTCTGAAGAAGAGAGCTCCGATGTGGAA  
R C F G E S E V S W Q Y P M S E E E S S D V E

415 ATCAGAAATGAAGAAAACAACAGCGGCCTTTTTGTGACGGTCTTGGAAGTGAGCAGTGCCTCGGCGGCC  
I R N E E N N S G L F V T V L E V S S A S A A

484 CACACAGGGTTGTACACTTGCTATTACAACCACACTCAGACAGAAGAGAATGAGCTTGAAGGCAGGCAC  
H T G L Y T C Y Y N H T Q T E E N E L E G R H

553 ATTTACATCTATGTGCCAGACCCAGATGTAGCCTTTGTACCTCTAGGAATGACGGATTATTTAGTCATC  
I Y I Y V P D P D V A F V P L G M T D Y L V I

622 GTGGAGGATGATGATTCTGCCATTATACCTTGTGCGACAACCTGATCCCGAGACTCCTGTAACCTTACAC  
V E D D D S A I I P C R T T D P E T P V T L H

691 AACAGTGAGGGGGTGGTACCTGCCTCCTACGACAGCAGACAGGGCTTTAATGGGACCTTCACTGTAGGG  
N S E G V V P A S Y D S R Q G F N G T F T V G

760 CCCTATATCTGTGAGGCCACCGTCAAAGGAAAAGAAGTTCAGACCATCCCATTTAATGTTTATGCTTTA  
P Y I C E A T V K G K K F Q T I P F N V Y A L

829 AAAGCAACATCAGAGCTGGATCTAGAAATGGAAGCTCTTAAAACCGTGTATAAGTCAGGGGAAACGATT  
K A T S E L D L E M E A L K T V Y K S G E T I

898 GTGGTCACCTGTGCTGTTTTTAACAATGAGGTGGTTGACCTTCAATGGACTTACCCTGGAGAAGTGAAA  
V V T C A V F N N E V V D L Q W T Y P G E V K

**Figure 11B**

967 GGCAAAGGCATCACAATACTGGAAGAAATCAAAGTCCCATCCATCAAATTGGTGTACACTTTGACGGTC  
G K G I T I L E E I K V P S I K L V Y T L T V

1036 CCCGAGGCCACGGTGAAAGACAGTGGAGATTACGAATGTGCTGCCCGCCAGGCTACCAGGGAGGTCAAA  
P E A T V K D S G D Y E C A A R Q A T R E V K

1105 GAAATGAAGAAAGTCACTATTTCTGTCCATGAGAAAGGTTTCATTGAAATCAAACCCACCTTCAGCCAG  
E M K K V T I S V H E K G F I E I K P T F S Q

1174 TTGGAAGCTGTCAACCTGCATGAAGTCAAACATTTTGTGTAGAGGTGCGGGCCTACCCACCTCCCAGG  
L E A V N L H E V K H F V V E V R A Y P P P R

1243 ATATCCTGGCTGAAAAACAATCTGACTCTGATTGAAAATCTCACTGAGATCACCCTGATGTGAAAAAG  
I S W L K N N L T L I E N L T E I T T D V E K

1312 ATTCAGGAAATAAGGTATCGAAGCAAATTAAGCTGATCCGTGCTAAGGAAGAAGACAGTGGCCATTAT  
I Q E I R Y R S K L K L I R A K E E D S G H Y

1381 ACTATTGTAGCTCAAAATGAAGATGCTGTGAAGAGCTATACTTTTGAAGTGTAACTCAAGTTCCTTCA  
T I V A Q N E D A V K S Y T F E L L T Q V P S

1450 TCCATTCTGGACTTGGTCGATGATCACCATGGCTCAACTGGGGGACAGACGGTGAGGTGCACAGCTGAA  
S I L D L V D D H H G S T G G Q T V R C T A E

1519 GGCACGCCGCTTCCTGATATTGAGTGGATGATATGCAAAGATATTAAGAAATGTAATAATGAAACTTCC  
G T P L P D I E W M I C K D I K K C N N E T S

1588 TGGACTATTTTGGCCAACAATGTCTCAAACATCATCACGGAGATCCACTCCCGAGACAGGAGTACCGTG  
W T I L A N N V S N I I T E I H S R D R S T V

1657 GAGGGCCGTGTGACTTTTCGCCAAAGTGGAGGAGACCATCGCCGTGCGATGCCTGGCTAAGAATCTCCTT  
E G R V T F A K V E E T I A V R C L A K N L L

1726 GGAGCTGAGAACCGAGAGCTGAAGCTGGTGGCTCCCACCCTGCGTTCTGAACTCACGGTGGCTGCTGCA  
G A E N R E L K L V A P T L R S E L T V A A A

1795 GTCCTGGTGTGTTGGTGATTGTGATCATCTCACTTATTGTCCTGGTTGTCATTGGAACAGAAACCG  
V L V L L V I V I I S L I V L V V I W K Q K P

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00960400-11667

Figure 11C

1864 AGGTATGAAATTCGCTGGAGGGTCATTGAATCAATCAGCCCGGATGGACATGAATATATTTATGTGGAC  
R Y E I R W R V I E S I S P D G H E Y I Y V D

1933 CCGATGCAGCTGCCTTATGACTCAAGATGGGAGTTTCCAAGAGATGGACTAGTGCTTGGTCGGGTCTTG  
P M Q L P Y D S R W E F P R D G L V L G R V L

2002 GGGTCTGGAGCGTTTGGGAAGGTGGTTGAAGGAACAGCCTATGGATTAAGCCGGTCCCAACCTGTCATG  
G S G A F G K V V E G T A Y G L S R S Q P V M

2071 AAAGTTGCAGTGAAGATGCTAAAACCCACGGCCAGATCCAGTGAAAAACAAGCTCTCATGTCTGAACTG  
K V A V K M L K P T A R S S E K Q A L M S E L

2140 AAGATAATGACTCACCTGGGGCCACATTTGAACATTGTAACTTGCTGGGAGCCTGCACCAAGTCAGGC  
K I M T H L G P H L N I V N L L G A C T K S G

2209 CCCATTTACATCATCACAGAGTATTGCTTCTATGGAGATTTGGTCAACTATTTGCATAAGAATAGGGAT  
P I Y I I T E Y C F Y G D L V N Y L H K N R D

2278 AGCTTCCTGAGCCACCACCCAGAGAAGCCAAAGAAAGAGCTGGATATCTTTGGATTGAACCCTGCTGAT  
S F L S H H P E K P K K E L D I F G L N P A D

2347 GAAAGCACACGGAGCTATGTTATTTTATCTTTTGAAAACAATGGTGACTACATGGACATGAAGCAGGCT  
E S T R S Y V I L S F E N N G D Y M D M K Q A

2416 GATACTACACAGTATGTCCCATGCTAGAAAGGAAAGAGGTTTCTAAATATTCCGACATCCAGAGATCA  
D T T Q Y V P M L E R K E V S K Y S D I Q R S

2485 CTCTATGATCGTCCAGCCTCATATAAGAAGAAATCTATGTTAGACTCAGAAGTCAAAAACCTCCTTTCA  
L Y D R P A S Y K K K S M L D S E V K N L L S

2554 GATGATAACTCAGAAGGCCTTACTTTATTGGATTTGTTGAGCTTCACCTATCAAGTTGCCCCGAGGAATG  
D D N S E G L T L L D L L S F T Y Q V A R G M

2623 GAGTTTTTGGCTTCAAAAAATTGTGTCCACCGTGATCTGGCTGCTCGCAACGTCCTCCTGGCACAAGGA  
E F L A S K N C V H R D L A A R N V L L A Q G

2692 AAAATTGTGAAGATCTGTGACTTTGGCCTGGCCAGAGACATCATGCATGATTGGAAGTATGTGTGCGAAA  
K I V K I C D F G L A R D I M H D S N Y V S K

2761 GGCAGTACCTTTCTGCCCGTGAAGTGGATGGCTCCTGAGAGCATCTTTGACAACCTCTACACCACACTG  
G S T F L P V K W M A P E S I F D N L Y T T L

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Figure 11D

2830 AGTGATGTCTGGTCTTATGGCATTCTGCTCTGGGAGATCTTTTCCCTTGGTGGCACCCCTTACCCCGGC  
S D V W S Y G I L L W E I F S L G G T P Y P G

2899 ATGATGGTGGATTCTACTTTCTACAATAAGATCAAGAGTGGGTACCGGATGGCCAAGCCTGACCACGCT  
M M V D S T F Y N K I K S G Y R M A K P D H A

2968 ACCAGTGAAGTCTACGAGATCATGGTGAAATGCTGGAACAGTGAGCCGGAGAAGAGACCCTCCTTTTAC  
T S E V Y E I M V K C W N S E P E K R P S F Y

3037 CACCTGAGTGAGATTGTGGAGAATCTGCTGCCTGGACAATATAAAAAAGAGTTATGAAAAAATTCACCTG  
H L S E I V E N L L P G Q Y K K S Y E K I H L

3106 GACTTCCTGAAGAGTGACCATCCTGCTGTGGGCACGCATGCGTGTGGACTCAGACAATGCATACATTGGT  
D F L K S D H P A V A R M R V D S D N A Y I G

3175 GTCACCTACAAAAACGAGGAAGACAAGCTGAAGGACTGGGAGGGTGGTCTGGATGAGCAGAGACTGAGC  
V T Y K N E E D K L K D W E G G L D E Q R L S

3244 GCTGACAGTGGCTACATCATTCTCTGCCTGACATTGACCCTGTCCCTGAGGAGGAGGACCTGGGCAAG  
A D S G Y I I P L P D I D P V P E E E D L G K

3313 AGGAACAGACACAGCTCGCAGACCTCTGAAGAGAGTGCCATTGAGACGGGTTCCAGCAGTTCCACCTTC  
R N R H S S Q T S E E S A I E T G S S S S T F

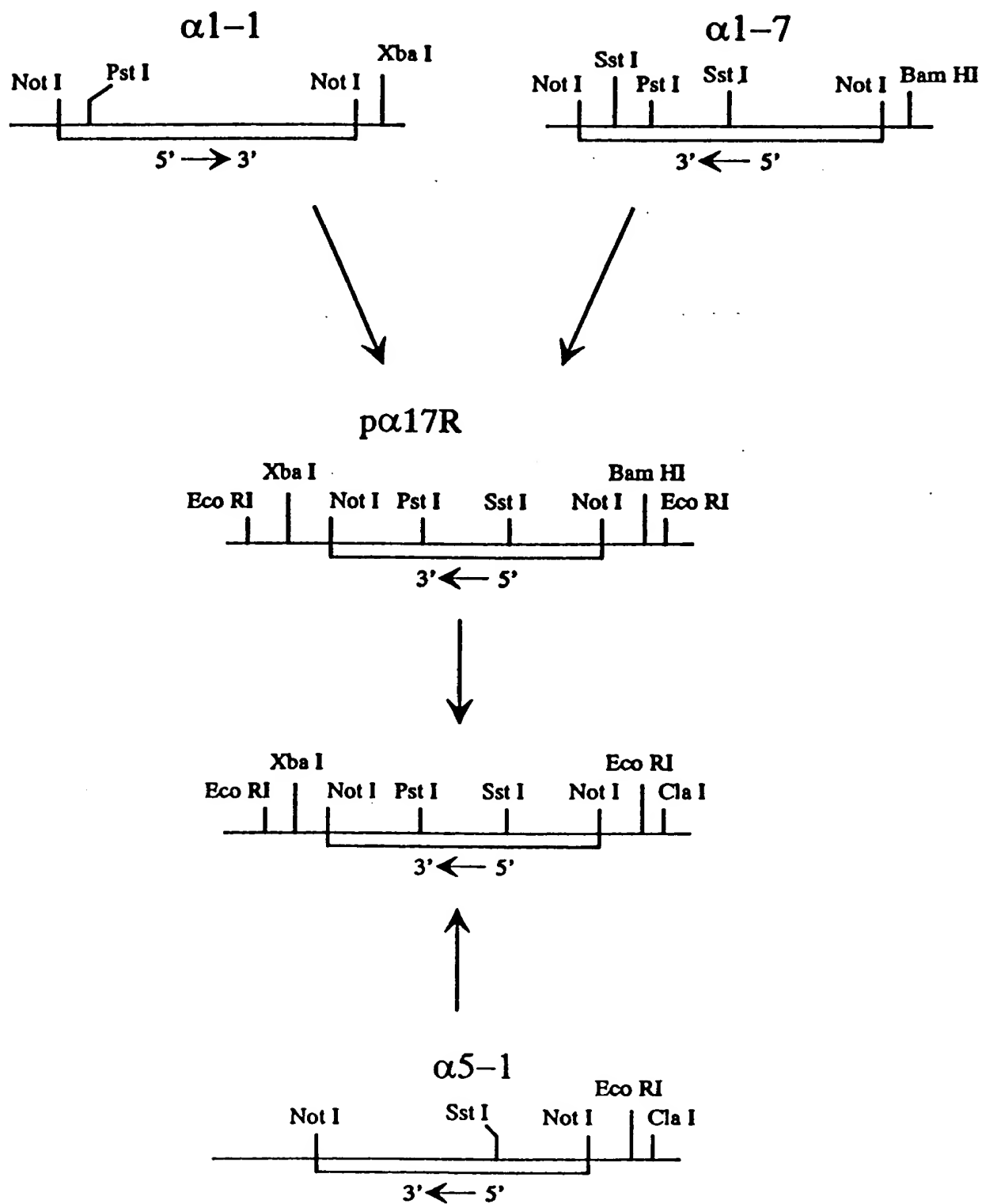
3382 ATCAAGAGAGAGGACGAGACCATTGAAGACATCGACATGATGGACGACATCGGCATAGACTCTTCAGAC  
I K R E D E T I E D I D M M D D I G I D S S D

3451 CTGGTGGAAGACAGCTTCCTGTAACCTGGCGGATTCGAGGGGTTCTTCCACTTCTGGGGCCACCTCTGG  
L V E D S F L

1089

3520 ATCCCGTTCAGAAAACCACTTTATTGCAATGCGGAGGTTGAGAGGAGGACTTGGTTGATGTTTAAAGAG  
3589 AAGTTCCCAGCCAAGGGCCTCGGGGAGCGTTCTAAATATGAATGAATGGGATATTTTGAATGAACCTT  
3658 GTCAGTGTTCCTCTTGCAATGCCTCAGTAGCATCTCAGTGGTGTGTGAAGTTTGGAGATAGATGGATA  
3727 AGGGAATAATAGGCCACAGAAGGTGAACTTTGTGCTTCAAGGACATTGGTGAGAGTCCAACAGACACAA  
3796 TTTATACTGCGACAGAACTTCAGCATTGTAATTATGTAAATAACTCTAACCAAGGCTGTGTTTAGATTG  
3865 TATTAATACTCTTCTTTGGACTTCTGAAGAGACCACTCAATCCATCCTGTACTTCCCTCTTGAAACCTG  
3934 ATGTAGCTGCTGTTGAACTTTTTTAAAGAAGTGCATGAAAAACCATTTTTTGAACCTTAAAGGTACTGGT  
4003 ACTATAGCATTTTGCTATCTTTTTTAGTGTTAAAGAGATAAAGAATAATAAG

25927 " 004000000



**Figure 12**

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